INTERNATIONAL FEDERATION OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE
SCIENTIFIC DIVISION†
and
INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY
CHEMISTRY AND HUMAN HEALTH DIVISION††

PROPERTIES AND UNITS IN THE CLINICAL LABORATORY SCIENCES

PART XX. PROPERTIES AND UNITS IN CLINICAL AND ENVIRONMENTAL HUMAN TOXICOLOGY

(Technical Report)
(IFCC-IUPAC 2006)

Prepared for publication by
JOHN DUFFUS†‡, RITA CORNELIS2, RENÉ DYBKÆR3, WOLF KUELPMANN4,
MONICA NORDBERG5, IVAN BRUUNSHUUS6

The Edinburgh Centre for Toxicology, Edinburgh, U.K.; 2Laboratory for Analytical Chemistry, Universiteit Gent, Gent, Belgium;
3Standardisation in Laboratory Medicine, H:S Frederiksberg Hospital, Frederiksberg, Denmark; 4Institut fuer Klinische Chemie, Medizinische Hochschule Hannover, Hannover, Germany; 5Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden; 6National Board of Health Copenhagen Denmark.

†The combined Membership of the IFCC Committee during the preparation of this report (2001-2006) was as follows:
Chair: U. Forsum (Sweden; 2001-2005); W.R. Kuelpmann (Germany; 2005- ); Members: R. Dybkær (Denmark; 1996- ); A. Jabor (Czech Republic); W.R. Kuelpmann (Germany; 1998-2005 ); G. Nordin (Sweden; 2000- ); and P. Soares de Araujo (Brazil; 1994- )
††The combined Membership of the Committee of the Chemistry and Human Health Division during the preparation of this report (2001-2005) was as follows:
The combined Membership of the IUPAC Working Group during the preparation of this report (2001-2005) was as follows:
Chair: W.R. Kuelpmann (Germany); Members: R. Cornelis (Belgium); J.H. Duffus (United Kingdom); R. Dybkær (Denmark); and M. Nordberg (Sweden)
The combined Membership of the IUPAC Subcommittee on Toxicology during the preparation of this report (2001-2005) was as follows:
Chair: J.H. Duffus (United Kingdom); Members: Ole Andersen (Denmark); R. Cornelis (Belgium); B. Heinzw (Germany); N. Manay (Uruguay); M. Nordberg (Sweden); W. Temple (New Zealand); D.M. Templeton (Canada); P. Wexler (USA); H. G. Worth (United Kingdom)
‡Corresponding author: J.H.Duffus, The Edinburgh Centre for Toxicology, 43 Mansionhouse Road, Edinburgh EH9 2JD, Scotland, UK. E-mail: J.H.Duffus@blueyonder.co.uk

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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 such 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 C-NPU Database may be found at [http://dior.imt.liu.se/C-NPU/]
PREFACE

The present document is the twentieth 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)

* proposed but abandonned

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 which 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.

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

**component**
part of a system [27]

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 [after 27]

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 17]

EXAMPLE: Celsius temperature scale.

Substance concentration increment of something (component) in a system, for example - ethanol in urine -32 µmol/l

**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 [27]

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 or rational scale (length 2 m 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’ [17] in different words which do not sufficiently emphasise the commonality required.

**nominal property**
property that can be compared for equality with another property of the same kind, but has no magnitude [27]

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 17]

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 [28]

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

**ordinal scale**
quantity scale, defined by formal agreement, on which only comparison of magnitude applies[28] EXAMPLE: Arbitrary concentration of cannabinoid in urine ("not detected"; "detected" or 0 1).

**Property**
Inherent state- or process-descriptive feature of a system including any pertinent components [27]

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. [29]

**quantity**
property of a phenomenon, body or substance, to which a number can be assigned with respect to a reference [28]

**rational quantity**
quantity that can be divided by another quantity of the same kind[after 27]

**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 17]

**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 clinical chemistry, patient, patient plasma, patient urine [17].

**taxon**
 kind-of-property of a nominal property

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

**toxicant**
 substance or compound causing injury to a living organism as a result of physicochemical interaction

**NOTE:** Synonyms are “chemical aetiologic agent”, “poison”, “toxic substance”, “toxic chemical”, “toxic material”.

**measurementunit**
 Scalar quantity, defined and adopted by convention, with which any other quantity of the same kind can be compared to express the ratio of the two quantities as a number [28].

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

**NOTE:** "Unitary quantity" comprises "differential quantity" and "rational quantity". [27]
STANDARDIZED REQUEST AND REPORT OF CLINICAL LABORATORY RESULTS

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 “designation of property value” 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 quantities)
   3.4 Coherent measurement unit (for unitary quantities)

4 Notes

By convention, properties and examination results are connected through an operator (\(= \leq \geq\)). 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. 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.
Modern metrology further demands that the result includes a value for a measure of uncertainty [16].

The terms for components are generally given as the IUPAC names [21]. Otherwise, the terms for components are from the International Nonproprietary Names (INN) of WHO [22] for pharmaceutical substances (English, French, Russian and Spanish). If not recorded in INN, preference is for trivial names [23], USAN [24], BAN [25], Martindale [26], in that sequence. 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 Roman numerals in parentheses following the term, when relevant.

In addition to the full systematic term for the property, an abbreviated form is given.

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

Most toxicants are metabolized by the organism. Therefore, the component may be given as a parent compound plus relevant metabolite(s).
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 of component and parenthetic specification**, shifted to the left for alphabetical sorting and searching, and followed by a semicolon. The recommended terms given have been adopted by the C-NPU data base. Where they differ from the IUPAC term, the IUPAC name is given as the first term (in bold) in the list of ‘Other term(s)’. 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 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 compound 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. \( M(\text{amfetamine}) = 135.21 \text{ g/mol} \)
10. Authority: INN
11. Note(s): CAS 300-62-9 (amfetamine); Analogues are BDB; Ephedrine; Fenfluramine; MBDB; Metamfetamine; 3,4-Methylenedioxyamfetamine; 3,4-Methylendioxyemetamfetamine; 3,4-Methylendioxyethylamfetamine; Pseudoephedrine
12. NPU08980
13. U—Amfetamine and analogue; taxon(proc.) = ?

b. Ordinal quantity

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

C. Differential quantity

1. Plasma—
3. Glucose;
4. substance concentration increment(maximum concentration minus 0 minutes concentration; procedure)
5. milimol/litre
6. \( M(\text{glucose}) = 180.16 \text{ g/mol} \)
11. Note(s): CAS 50-99-7
12. NPU03841
13. P—Glucose; subst.c.incr.(max. c. minus 0 min c.; proc.) = ? mmol/l

NOTE This list of properties for toxicology has no example of diferential quantitiy

d. Rational quantity

1. Blood—
3. Acetaldehyde;
4. substance concentration
5. micromole/litre
6. \( M = 44.05 \text{ g/mol} \)
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
REFERENCES


<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>amb</td>
<td>ambient</td>
</tr>
<tr>
<td>arb.c.</td>
<td>arbitrary concentration</td>
</tr>
<tr>
<td>B</td>
<td>Blood</td>
</tr>
<tr>
<td>BAN</td>
<td>British Approved Name</td>
</tr>
<tr>
<td>BCR</td>
<td>Community Bureau of Reference (Bureau Communitaire de Référence)</td>
</tr>
<tr>
<td>BIPM</td>
<td>Bureau International des Poids et Mesures</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>C-BGE</td>
<td>Committee on blood, gas, and electrolytes (of IFCC)</td>
</tr>
<tr>
<td>CEN</td>
<td>European Committee for Standardization (Comité Européen de Normalisation)</td>
</tr>
<tr>
<td>C-NPU</td>
<td>Commission on Nomenclature, Properties and Units</td>
</tr>
<tr>
<td>ENV</td>
<td>European Prestandard</td>
</tr>
<tr>
<td>EU</td>
<td>European Union</td>
</tr>
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<td>IEC</td>
<td>International Electrotechnical Commission</td>
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<td>IFCC</td>
<td>International Federation of Clinical Chemistry and Laboratory Medicine</td>
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<tr>
<td>ILAC</td>
<td>International laboratory Accreditation Cooperation</td>
</tr>
<tr>
<td>INN</td>
<td>International Nonproprietary Names of WHO (approved)</td>
</tr>
<tr>
<td>*INN</td>
<td>International Nonproprietary Names of WHO (for name to be approved)</td>
</tr>
<tr>
<td>IRMM</td>
<td>Institute for Reference Materials and Measurements (of EU-JRC)</td>
</tr>
<tr>
<td>ISO</td>
<td>International Standards Organization</td>
</tr>
<tr>
<td>IUPAC</td>
<td>International Union of Pure and Applied Chemistry</td>
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<td>IUPAP</td>
<td>International Union of Pure and Applied Physics</td>
</tr>
<tr>
<td>JRC</td>
<td>Joint Research Centre (EU)</td>
</tr>
<tr>
<td>L:D</td>
<td>Length:Diameter (aspect ratio)</td>
</tr>
<tr>
<td>NPU</td>
<td>Nomenclature, Properties and Units</td>
</tr>
<tr>
<td>OIML</td>
<td>International Organization of Legal Metrology</td>
</tr>
<tr>
<td>P</td>
<td>Plasma</td>
</tr>
<tr>
<td>P(aB)</td>
<td>Plasma (arterial blood)</td>
</tr>
<tr>
<td>PIN</td>
<td>Preferred IUPAC nomenclature</td>
</tr>
<tr>
<td>PNOR</td>
<td>Particulates not otherwise regulated</td>
</tr>
<tr>
<td>PNOS</td>
<td>Particulates not otherwise specified</td>
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<tr>
<td>subst.c.</td>
<td>substance concentration</td>
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<tr>
<td>U</td>
<td>Urine</td>
</tr>
<tr>
<td>USAN</td>
<td>United States Adopted Name</td>
</tr>
<tr>
<td>WHO</td>
<td>World Health Organization</td>
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</table>
LIST OF PROPERTIES IN CLINICAL AND ENVIRONMENTAL HUMAN TOXICOLOGY

In this list, the properties are listed alphabetically according to their component terms. The 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 component term for the entry in the list of properties is an IUPAC name, no further authority is given. Where it is not, the IUPAC name is given as the first in ‘Other term(s)’, and printed in bold type. 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 reference 8 above.
Air(ambient)—

Acetaldehyde;

substance concentration
millimole/metre³

\[ M = 44.05 \text{ g/mol} \]

Other term(s): Acetic aldehyde; Ethanal; Ethylaldehyde

Note(s): CAS 75-07-0

NPU16486
Air(amb)—Acetaldehyde; subst.c. = ? mmol/m³

Blood—

Acetaldehyde;

substance concentration
micromole/litre

\[ M = 44.05 \text{ g/mol} \]

Other term(s): Acetic aldehyde; Ethanal; Ethylaldehyde

Note(s): CAS 75-07-0

NPU01005
B—Acetaldehyde; subst.c. = ? μmol/l

Urine—

Acetaldehyde;

substance concentration
micromole/litre

\[ M = 44.05 \text{ g/mol} \]

Other term(s): Acetic aldehyde; Ethanal; Ethylaldehyde

Note(s): CAS 75-07-0

NPU01006
U—Acetaldehyde; subst.c. = ? μmol/l

Drinking water—

Acetaldehyde;

substance concentration
micromole/litre

\[ M = 44.05 \text{ g/mol} \]

Other term(s): Acetic aldehyde; Ethanal; Ethylaldehyde

Note(s): CAS 75-07-0

NPU16487
Drinking water—Acetaldehyde; subst.c. = ? μmol/l

Air(ambient)—

Acetone;

substance concentration
millimole/metre³

\[ M = 58.08 \text{ g/mol} \]

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/m³

Blood—

Acetone;

substance concentration
micromole/litre

\[ M = 58.08 \text{ g/mol} \]

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

\[ M = 58.08 \text{ g/mol} \]

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

Drinking water—

Acetonitrile;

substance concentration
micromole/litre

\[ M = 41.05 \text{ g/mol} \]

Other term(s): Cyanomethane; Ethyl nitrile; Methyl cyanide

Note(s): CAS 75-05-8

NPU16492
Air(amb)—Acetonitrile; subst.c. = ? mmol/m³

Drinking water—

Acetonitrile;

substance concentration
micromole/litre

\[ M = 41.05 \text{ g/mol} \]

Other term(s): Cyanomethane; Ethyl nitrile; Methyl cyanide

Note(s): CAS 75-05-8

NPU16493
Drinking water—Acetonitrile; subst.c. = ? μmol/l
Urine—

6-O-Monoacetylmorphine; subst. conc.
micromole/litre
$M = 343.39 \text{ g/mol}$
Other term(s): Acetyl morphine; MAM; Monoacetyl morphine
Authority: INN
Note(s): CAS 2784-73-8
NPU16494
Urine—6-O-Monoacetylmorphine; subst. conc. = $\mu\text{mol/l}$

Air(ambient)—

Acrolein;
subst. conc.
millimole/metre$^3$
$M = 56.06 \text{ g/mol}$
Other term(s): Prop-2-enal; Acraldehyde; Acrylaldehyde; Acrylic aldehyde; Allyl aldehyde; Propenal
Note(s): CAS 107-02-08
NPU16495
Air(amb)—Acrolein; subst. conc. = $? \text{ mmol/m}^3$

Drinking water

Acrolein;
subst. conc.
micromole/litre
$M = 56.06 \text{ g/mol}$
Other term(s): Prop-2-enal; Acraldehyde; Acrylaldehyde; Acrylic aldehyde; Allyl aldehyde; Propenal
Note(s): CAS 107-02-08
NPU16496
Drinking water—Acrolein; subst. conc. = $? \text{ µmol/l}$

Air(ambient)—

Acrylamide;
subst. conc.
micromole/litre
$M = 71.08 \text{ g/mol}$
Other term(s): Prop-2-enamide; Acrylamide monomer; Acrylic amide; 2-Propenamide
Note(s): CAS 79-06-1
NPU16497
Air(amb)—Acrylamide; subst. conc. = $? \text{ µmol/l}$

Urine—

Acrylamide;
subst. conc.
micromole/litre
$M = 71.08 \text{ g/mol}$
Other term(s): Prop-2-enamide; Acrylamide monomer; Acrylic amide; 2-Propenamide
Note(s): CAS 79-06-1
NPU16886
U—Acrylamide; subst. conc. = $? \text{ µmol/l}$

Drinking water—

Acrylamide;
subst. conc.
micromole/litre
$M = 71.08 \text{ g/mol}$
Other term(s): Prop-2-enamide; Acrylamide monomer; Acrylic amide; 2-Propenamide
Note(s): CAS 79-06-1
NPU16498
Drinking water—Acrylamide; subst. conc. = $? \text{ µmol/l}$

Air(ambient)—

Acrylate;
subst. conc.
millimole/metre$^3$
$M(\text{acrylic acid}) = 71.06 \text{ g/mol}$
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. conc. = $? \text{ mmol/m}^3$

Drinking water—

Acrylate;
subst. conc.
micromole/litre
$M(\text{acrylic acid}) = 71.06 \text{ g/mol}$
Other term(s): Prop-2-enoate; Acroleate; Aqueous acrylate; Ethylenecarboxylate; 2-Propenoate
Note(s): CAS 79-10-7 (acrylic acid)
NPU16501
Drinking water—Acrylate; subst. conc. = $? \text{ µmol/l}$
Air(ambient)—

Acrylonitrile;
substance concentration
millimole/metre³
$M = 53.06 \text{ g/mol}$
Other term(s): Prop-2-enenitrile; Acrylonitrile monomer; AN; Cyanoethylene; 2-Propanenitrile; VCN; Vinyl cyanide
Note(s): CAS 107-13-1
NPU16502
Air(amb)—Acrylonitrile; subst.c. = ? mmol/m³

Drinking water—

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

Food(specification)—

Aflatoxin B₁;
substance content
nmole/kg
$M = 312.28 \text{ g/mol}$
Other term(s): (6aR,9aS)-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(spec.)—Aflatoxin B₁; subst.cont. = ? nmol/kg

Aflatoxin B₂;
substance content
nmole/kg
$M = 314.08 \text{ g/mol}$
Other term(s): (6aR,9aS)-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(spec.)—Aflatoxin B₂; subst.cont. = ? nmol/kg

Food(specification)—

Aldicarb;
substance content
micromole/kg
$M = 190.27 \text{ g/mol}$
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(spec.)—Aldicarb; subst.cont. = ? μmol/kg

Drinking water—

Aldicarb;
substance concentration
micromole/litre
$M = 190.27 \text{ g/mol}$
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
Drinking water—Aldicarb; subst.c. = ? μmol/l

Air(ambient)—

Aldrin;
substance concentration
millimole/metre³
$M = 364.92 \text{ g/mol}$
Other term(s): (1R,4S,4aS,5S,8R,8aR)-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/m³

Blood—

Aldrin;
substance concentration
micromole/litre
$M = 364.92 \text{ g/mol}$
Other term(s): (1R,4S,4aS,5S,8R,8aR)-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
  - $M = 364.92 \text{ g/mol}$
  - Other term(s): (1R,4S,4aS,5S,8R,8aR)-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

**Drinking water**

**Aldrin:**
- **substance concentration**
  - micromole/litre
  - $M = 364.92 \text{ g/mol}$
  - Other term(s): (1R,4S,4aS,5S,8R,8aR)-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

**Air(ambient)—**

**Allethrin:**
- **substance concentration**
  - millimole/metre³
  - $A = 26.98 \text{ g/mol}$
  - Other term(s): (RS)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl (1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropane-1-carboxylate; Alethrin 1; Bioallethrin; Depallethrin
- Authority: ISO
- Note(s): CAS 584-79-2

**Cells(blood)—**

**Aluminium:**
- **substance content**
  - micromole/kilogram
  - $A = 26.98 \text{ g/mol}$
  - Other term(s): Aluminium(total)
- Authority: ISO
- Note(s): CAS 7429-90-5

**Plasma—**

**Aluminium:**
- **substance concentration**
  - micromole/litre
  - $A = 26.98 \text{ g/mol}$
  - Other term(s): Aluminium(total)
- Authority: ISO
- Note(s): CAS 7429-90-5

**Urine—**

**Aluminium:**
- **substance concentration**
  - micromole/litre
  - $A = 26.98 \text{ g/mol}$
  - Other term(s): Aluminium(total)
- Authority: ISO
- Note(s): CAS 7429-90-5
**Drinking water—**

**Aluminium(III);**

- **substance concentration**
  - micromole/litre
  - \( A = 26.98 \text{ g/mol} \)
- Other term(s): Aluminium(total)
- Note(s): CAS 7429-90-5 (element)

**NPU16516**

Drinking water—Aluminium(III); subst.c. = ? µmol/l

**Plasma—**

**alpha-Amanitin;**

- **substance concentration**
  - micromole/litre
  - \( M = 918.98 \text{ g/mol} \)
- Authority: INN
- Note(s): CAS 23109-05-9

**NPU16517**

P—alpha-Amanitin; subst.c. = ? µmol/l

**Urine—**

**alpha-Amanitin;**

- **substance concentration**
  - micromole/litre
  - \( M = 918.98 \text{ g/mol} \)
- Authority: INN
- Note(s): CAS 23109-05-9

**NPU16518**

U—alpha-Amanitin; subst.c. = ? µmol/l

**Plasma—**

**beta-Amanitin;**

- **substance concentration**
  - micromole/litre
  - \( M = 919.97 \text{ g/mol} \)
- 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
  - \( M = 919.97 \text{ g/mol} \)
- 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
  - \( M = 902.98 \text{ g/mol} \)
- Authority: INN
- Note(s): CAS 13567-11-8; 21150-23-2

**NPU16521**

P—gamma-Amanitin; subst.c. = ? µmol/l

**Urine—**

**gamma-Amanitin;**

- **substance concentration**
  - micromole/litre
  - \( M = 902.98 \text{ g/mol} \)
- Authority: INN
- Note(s): CAS 13567-11-8; 21150-23-2

**NPU16522**

U—gamma-Amanitin; subst.c. = ? µmol/l

**Plasma—**

**Amfetamine;**

- **arbitrary concentration(procedure)**
  - \( M = 135.21 \text{ g/mol} \)
- Other term(s): (RS)-1-Phenylpropan-2-amine; Actedron; Adipan; Alodene; \( \beta \)-aminopropylbenzene; Amphetamine; Durophet; Elastono; Isoamyn; Isomyn; Mecodrin; \( \text{DL}-\alpha \)-Methylphenethylamine; Norphedrane; 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—Amfetamine; arb.c.(proc.) = ?

**Urine—**

**Amfetamine;**

- **substance concentration**
  - micromole/litre
  - \( M = 135.21 \text{ g/mol} \)
- Other term(s): (RS)-1-Phenylpropan-2-amine; Actedron; Adipan; Alodene; \( \beta \)-aminopropylbenzene; Amphetamine; Durophet; Elastono; Isoamyn; Isomyn; Mecodrin; \( \text{DL}-\alpha \)-Methylphenethylamine; Norphedrane; 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—Amfetamine; subst.c. = ? µmol/l
Urine—
Amfetamine+analogue;
arbitrary concentration(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-Methylendioxyamfetamine; 3,4-
Metylenedioxymetamfetamine; 3,4-Metylenedioxyethylamfetamine;
Pseudoephedrine
NPU08960
U—Amfetamine+analogue; arb.c.(proc.) = ?

Urine—
Amfetamine+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-Methylendioxyamfetamine; 3,4-
Metylenedioxymetamfetamine; 3,4-Metylenedioxyethylamfetamine;
Pseudoephedrine
NPU08960
U—Amfetamine+analogue; taxon(proc.) = ?

Urine—
Amfetaminil;
arbitrary concentration(procedure)
M = 250.34 g/mol
Other term(s): 2-Phenyl-2-(1-phenylpropan-2-ylamino)acetonitrile;
Amphetaminil; N-(1-Methylphenethyl)-2-phenylglycinylnitrile
Authority: INN
Note(s): CAS 17590-01-1
NPU04913
U—Amfetaminil; arb.c.(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-(1-Methylphenethyl)-2-phenylglycinylnitrile
Authority: INN
Note(s): CAS 17590-01-1
NPU01169
U—Amfetaminil; subst.c. = ? µmol/l

Air(ambient)—
Amitrole;
substance concentration
micromole/metre³
M = 84.08 g/mol
Other term(s): 1H-1,2,4-triazol-3-amine; Aminotriazole
Authority: ISO
Note(s): CAS 61-82-5
NPU16524
Air(amb)—Amitrole; subst.c. = ? mmol/m³

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

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

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

Air(ambient)—
Ammonia;
substance concentration
millimole/metre³
M = 17.04 g/mol
Note(s): CAS 7664-41-7
NPU16527
Air(amb)—Ammonia; subst.c. = ? mmol/m³
Plasma—

**Ammonium**:
- **substance concentration**
  - micromole/litre
  - \( M = 18.04 \text{ g/mol} \)
- **Note(s)**: CAS 7664-41-7 (ammonia)
- **NPU03928**
  - P—Ammonium; subst.c. = ? µmol/l

**Plasma (arterial blood)—**

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

**Urine—**

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

**Drinking water—**

**Ammonium**:
- **substance concentration**
  - micromole/litre
  - \( M = 18.04 \text{ g/mol} \)
- **Note(s)**: CAS 7664-41-7 (ammonia)
- **NPU16528**
  - Drinking water—Ammonium; subst.c. = ? µmol/l

**Air (ambient)—**

**Antimony(0+III+V):**
- **substance concentration**
  - micromole/metre³
  - \( A = 121.75 \text{ g/mol} \)
- **Other term(s):** Antimony(total)
- **Note(s):** CAS 7440-36-0 (element)
- **NPU16529**
  - Air(amb)—Antimony(0+III+V); subst.c. = ? µmol/m³

**Blood—**

**Antimony(III+V):**
- **substance concentration**
  - nanomole/litre
  - \( A = 121.75 \text{ g/mol} \)
- **Other term(s):** Antimony(total)
- **Note(s):** CAS 7440-36-0 (element)
- **NPU16894**
  - B—Antimony(III+V); subst.c. = ? nmol/l

**Plasma—**

**Antimony:**
- **substance concentration**
  - nanomole/litre
  - \( A = 121.75 \text{ g/mol} \)
- **Other term(s):** Antimony(total)
- **Note(s):** CAS 7440-36-0 (element)
- **NPU01273**
  - P—Antimony; subst.c. = ? nmol/l

**Urine—**

**Antimony(III+V):**
- **substance concentration**
  - nanomole/litre
  - \( A = 121.75 \text{ g/mol} \)
- **Other term(s):** Antimony(total)
- **Note(s):** CAS 7440-36-0 (element)
- **NPU16530**
  - U—Antimony(III+V); subst.c. = ? nmol/l

**Drinking water—**

**Antimony(III+V):**
- **substance concentration**
  - nanomole/litre
  - \( A = 121.75 \text{ g/mol} \)
- **Other term(s):** Antimony(total)
- **Note(s):** CAS 7440-36-0 (element)
- **NPU16531**
  - Drinking water—Antimony(III+V); subst.c. = ? nmol/l

**Air (ambient)—**

**Antimony trihydride:**
- **substance concentration**
  - micromole/metre³
  - \( M = 124.78 \text{ g/mol} \)
- **Other term(s):** Antimony hydride; Hydrogenantimonide; Stibine
- **Note(s):** CAS 7803-52-3
- **NPU16825**
  - Air(amb)—Antimony trihydride; subst.c. = ? µmol/m³
Drinking water—
Antimony trihydride;
substance concentration
nanomole/litre
\( M = 124.78 \text{ g/mol} \)
Other term(s): Antimony hydride; Hydogenantimonide; Stibine
Note(s): CAS 7803-52-3
NPU16828
Drinking water—Antimony trihydride; subst.c. = ? nmol/l

Air(ambient)—
Arsenic(III+V; inorganic+organic);
substance concentration
micromole/metre³
\( A = 74.92 \text{ g/mol} \)
Other term(s): Arsenic (total)
Note(s): CAS 7440-38-2 (element)
NPU16532
Air(amb)—Arsenic(III+V; inorganic+organic); subst.c. = ? µmol/m³

Blood—
Arsenic(III+V; inorganic+organic);
substance concentration
nanomole/litre
\( A = 74.92 \text{ g/mol} \)
Other term(s): Arsenic (total)
Note(s): CAS 7440-38-2 (element)
NPU16896
B—Arsenic(III+V; inorganic+organic); subst.c. = ? nmol/l

Cells(Blood)—
Arsenic(III+V; inorganic+organic);
substance content
nanomole/kilogram
\( A = 74.92 \text{ g/mol} \)
Other term(s): Arsenic (total)
Note(s): CAS 7440-38-2 (element)
NPU16946
Cells(B)—Arsenic(III+V; inorganic+organic); subst.cont. = ? nmol/kg

Hair—
Arsenic(III+V; inorganic+organic);
substance content
micromole/kilogram
\( A = 74.92 \text{ g/mol} \)
Other term(s): Arsenic (total)
Note(s): CAS 7440-38-2 (element)
NPU16897
Hair—Arsenic(III+V; inorganic+organic); subst.cont. = ? µmol/kg

Plasma—
Arsenic(III+V; inorganic+organic);
substance concentration
nanomole/litre
\( A = 74.92 \text{ g/mol} \)
Other term(s): Arsenic (total)
Note(s): CAS 7440-38-2 (element)
NPU16955
P—Arsenic(III+V; inorganic+organic); subst.c. = ? nmol/l

Urine—
Arsenic(III+V; inorganic+organic);
substance concentration
nanomole/litre
\( A = 74.92 \text{ g/mol} \)
Other term(s): Arsenic (total)
Note(s): CAS 7440-38-2 (element)
NPU16898
U—Arsenic(III+V; inorganic+organic); subst.c. = ? nmol/l

Drinking water—
Arsenic(III+V; inorganic+organic);
substance concentration
nanomole/litre
\( A = 74.92 \text{ g/mol} \)
Other term(s): Arsenic (total)
Note(s): CAS 7440-38-2 (element)
NPU16533
Drinking water—Arsenic(III+V; inorganic+organic); subst.c. = ? nmol/l

Air(ambient)—
Arsine;
substance concentration
micromole/metre³
\( M = 77.95 \text{ g/mol} \)
Other term(s): Arsenic hydride; Arsenic trihydride; Hydrogen arsenide
Authority: ISO
Note(s): CAS 7784-42-1
NPU16534
Air(amb)—Arsine; subst.c. = ? µmol/m³
Air(ambient)—
Asbestos fibres(length > 5 µm; aspect ratio(L:D) >= 3:1);
number concentration(procedure)
one/metre³
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); num.c.(proc.) = ? × 1/m³

Fluid (alveolar)—
Asbestos fibres(length > 5 µm, aspect ratio(L:D) ≥ 3:1);
number concentration(procedure)
one/litre
Note(s): CAS 1332-21-4; Types of asbestos include Actinolite; Amosite
(Cummingtonite-Grunerite); Anthophyllite; Chrysotile; Crocidolite (Riebeckite);
Tremolite
NPU16536
BAL—Asbestos fibres(length >5 µm; aspect ratio(L:D)>= 3:1); num.c.(proc.) = ? × 1/l

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
NPU01039 P—Barbital; subst.c. = ? µmol/l
NPU03954 P—Pentobarbital; subst.c. = ? µmol/l
NPU16394 P—Pentobarbital; subst.c. = ? nmol/l
NPU03062 P—Phenobarbital; subst.c. = ? µmol/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; 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; proc.)
NPU01343 U—Barbital; arb.c.(proc.) = ?
NPU04769 U—Butalbital; arb.c.(proc.) = ?
NPU03042 U—Pentobarbital; arb.c.(proc.) = ?
NPU03063 U—Phenobarbital; arb.c. (proc.) = ?
NPU08677 U—Thiopental; arb.c.(proc.) = ?

Urine—

Barbiturate;
taxon(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(proc.) = ?

Plasma—
Barbiturates;

arbitrary concentration(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; Cyclophentobarbital; 5-
Ethyl-5-(4-hydroxyphenyl)barbiturate; Pentobarbital; Phenobarbital; Secobarbital;
Talbutal; Thiopental
NPU16395
P—Barbiturates; arb.c.(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; Cyclophentobarbital; 5-
Ethyl-5-(4-hydroxyphenyl)barbiturate; Pentobarbital; Phenobarbital; Secobarbital;
Talbutal; Thiopental
NPU01344
P—Barbiturates; subst.c. = ? µmol/l
Urine—

Barbiturates;

*arbitrary concentration*(procedure)

\[ M(\text{barbituric acid}) = 128.09 \text{ g/mol} \]

Authority: INN

Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid; e.g., Alphenal; Amobarbital; Aprobarbital; Barbital; Butobarbital; Cycloptobarbital; 5-Ethyl-5-(4-hydroxyphenyl)barbiturate; Pentobarbital; Phenobarbital; Secobarbital; Talbutal; Thiopental

NPU08959

U—Barbiturates; arb.c.(proc.) = ?

Urine—

Barbiturates;

*substance concentration*

micromole/litre

\[ M(\text{barbituric acid}) = 128.09 \text{ g/mol} \]

Authority: INN

Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid; e.g., Alphenal; Amobarbital; Aprobarbital; Barbital; Butobarbital; Cycloptobarbital; 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/metre³

\[ A = 137.34 \text{ g/mol} \]

Note(s): CAS 7440-39-3 (element)

NPU16537

Air(amb)—Barium(II); subst.c.(proc.) = ? µmol/m³

Plasma—

Barium(II);

*substance concentration*

nanomole/litre

\[ A = 137.34 \text{ g/mol} \]

Note(s): CAS 7440-39-3 (element)

NPU016899

P—Barium(II); subst.c. = ? nmol/l

Urine—

Barium(II);

*substance concentration*

nanomole/litre

\[ A = 137.34 \text{ g/mol} \]

Note(s): CAS 7440-39-3 (element)

NPU16900

U—Barium(II); subst.c. = ? nmol/l

Drinking water—

Barium(II);

*substance concentration*

micromole/litre

\[ A = 137.34 \text{ g/mol} \]

Note(s): CAS 7440-39-3 (element)

NPU16538

Drinking water—Barium(II); subst.c. = ? µmol/l

Urine—

Basic drug;

*arbitrary concentration*(procedure)

Other term(s): Tetrabromophenolphthalein ethylester reactive compounds

Note(s): Examples of basic drugs are Diphenhydramine; Doxepin; Doxylamin; Flurazepam; Maprotillin; Pipamperon

NPU16539

U—Basic drug; arb.c.(proc.) = ?

Air(ambient)—

Benomyl;

*substance concentration*

millimole/metre³

\[ A = 290.36 \text{ g/mol} \]

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/m³

Air(ambient)—

Benzene;

*substance concentration*

micromole/metre³

\[ M = 78.11 \text{ g/mol} \]

Note(s): CAS 71-43-2

NPU16541

Air(amb)—Benzene; subst.c. = ? µmol/m³

Exhaled air—

Benzene;

*substance concentration*

micromole/metre³

\[ M = 78.11 \text{ g/mol} \]

Other term(s): Benzol; Phenyl hydride

Note(s): CAS 71-43-2

NPU16542

Exhaled air—Benzene; subst.c. = ? µmol/m³
**Urine—**

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

Drinking water—

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

**Benzoylcegonine;**
- arbitrary concentration(procedure)

**Air(ambient)—**

Beryllium(0+III):
- substance concentration
  nanomole/metre³
  \( A = 9.01 \text{ g/mol} \)
  Note(s): CAS 7440-41-7 (element)
  NPU16546
  Air(amb)—Beryllium(0+III); subst.c. = ? nmol/m³

Plasma—

Beryllium(III):
- substance concentration
  nanomole/litre
  \( A = 9.01 \text{ g/mol} \)
  Note(s): CAS 7440-41-7 (element)
  NPU16901
  P—Beryllium(III); subst.c. = ? nmol/l

Urine—

Beryllium(III):
- substance concentration
  nanomole/litre
  \( A = 9.01 \text{ g/mol} \)
  Note(s): CAS 7440-41-7 (element)
  NPU16902
  U—Beryllium(III); subst.c. = ? nmol/l

**Plasma—**

Bismuth(III):
- substance concentration
  nanomole/litre
  \( A = 208.98 \text{ g/mol} \)
  Note(s): CAS 7440-69-9 (element)
  NPU16903
  P—Bismuth(III); subst.c. = ? nmol/l

**Urine—**

Bismuth(III):
- substance concentration
  nanomole/litre
  \( A = 208.98 \text{ g/mol} \)
  Note(s): CAS 7440-69-9 (element)
  NPU16904
  U—Bismuth(III); subst.c. = ? nmol/l

**Air(ambient)—**

Boron(III):
- substance concentration
  millimole/metre³
  \( A = 10.81 \text{ g/mol} \)
  Note(s): CAS 7440-42-8 (element)
  NPU16947
  Air(amb)—Boron(III); subst.c. = ? mmol/m³

Plasma—

Boron(III):
- substance concentration
  micromole/litre
  \( A = 10.81 \text{ g/mol} \)
  Note(s): CAS 7440-42-8 (element)
  NPU16947
  P—Boron(III); subst.c. = ? µmol/l

Urine—

Boron(III):
- substance concentration
  micromole/litre
  \( A = 10.81 \text{ g/mol} \)
  Note(s): CAS 7440-42-8 (element)
  NPU16947
  U—Boron(III); subst.c. = ? µmol/l
**Drinking water—**

**Boron(III);**
- substance concentration
  - millimole/litre
  - \( A = 10.81 \text{ g/mol} \)
- Note(s): CAS 7440-42-8 (element)
- NPU16890
- Drinking water—Boron(III); subst. c. = ? mmol/l

**Blood—**

**Bromide ion;**
- substance concentration
  - micromole/litre
  - \( A = 79.90 \text{ g/mol} \)
- Note(s): CAS 7726-95-6 (element)
- NPU04834
- B—Bromide ion; subst. c. = ? µmol/l

**Plasma—**

**Bromide ion;**
- substance concentration
  - micromole/litre
  - \( A = 79.90 \text{ g/mol} \)
- Note(s): CAS 7726-95-6 (element)
- NPU01403
- P—Bromide ion; subst. c. = ? µmol/l

**Urine—**

**Bromide ion;**
- substance concentration
  - micromole/litre
  - \( A = 79.90 \text{ g/mol} \)
- Note(s): CAS 7726-95-6 (element)
- NPU04870
- U—Bromide ion; subst. c. = ? µmol/l

**Air(ambient)—**

**Butan-1-ol;**
- substance concentration
  - millimole/metre³
  - \( M = 74.12 \text{ g/mol} \)
  - 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/m³

**Drinking water—**

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

**Air(ambient)—**

**Butan-2-ol;**
- substance concentration
  - millimole/metre³
  - \( M = 74.12 \text{ g/mol} \)
  - 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/m³

**Drinking water—**

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

**Blood—**

**Cadmium(II);**
- substance concentration
  - nanomole/litre
  - \( A = 112.41 \text{ g/mol} \)
- Note(s): CAS 7440-43-9 (element)
- NPU16948
- B—Cadmium(II); subst. c. = ? nmol/l
Cells(Blood)—
Cadmium(II);
substance content
nanomole/kilogram
$A = 112.41 \text{ g/mol}$
Note(s): CAS 7440-43-9 (element)
NPU16949
Cells(B)—Cadmium(II); subst.cont. = ? nmol/kg

Food(specification)
Cadmium(II);
substance content
micromole/kilogram
$A = 112.41 \text{ g/mol}$
Note(s): CAS 7440-43-9 (element)
NPU16555
Food(spec.)—Cadmium(II); subst.cont. = ? µmol/kg

Hair—
Cadmium(II);
substance content
micromole/kilogram
$A = 112.41 \text{ g/mol}$
Note(s): CAS 7440-43-9 (element)
NPU16906
Hair—Cadmium(II); subst.cont. = ? µmol/kg

Plasma—
Cadmium(II);
substance concentration
nanomole/litre
$A = 112.41 \text{ g/mol}$
Note(s): CAS 7440-43-9 (element)
NPU16907
P—Cadmium(II); subst.c. = ? nmol/l

Urine—
Cadmium(II);
substance concentration
nanomole/litre
$A = 112.41 \text{ g/mol}$
Note(s): CAS 7440-43-9 (element)
NPU16908
U—Cadmium(II); subst.c. = ? nmol/l

Drinking water—
Cadmium(II);
substance concentration
nanomole/litre
$A = 112.41 \text{ g/mol}$
Note(s): CAS 7440-43-9 (element)
NPU16556
Drinking water—Cadmium(II); subst.c. = ? nmol/l

Air(ambient)—
Cadmium(0+II; dust);
substance concentration
micromole/metre³
$A = 112.41 \text{ g/mol}$
Note(s): CAS 7440-43-9 (element)
NPU16557
Air(amb)—Cadmium(0+II; dust); subst.c. = ? µmol/m³

Air(ambient)—
Cadmium(II; fume);
substance concentration
micromole/metre³
$A = 112.41 \text{ g/mol}$
Note(s): CAS 7440-43-9 (element)
NPU16558
Air(amb)—Cadmium(II; fume); subst.c. = ? µmol/m³

Blood—
Caesium(I);
substance concentration
nanomole/litre
$A = 132.90 \text{ g/mol}$
Note(s): CAS 7440-46-2 (element)
NPU16909
B—Caesium(I); subst.c. = ? nmol/l

Cells(Blood)—
Caesium(I);
substance content
nanomole/kilogram
$A = 132.90 \text{ g/mol}$
Note(s): CAS 7440-46-2 (element)
NPU16910
Cells(B)—Caesium(I); subst. cont. = ? nmol/kg

Plasma—
Caesium(I);
substance concentration
nanomole/litre
$A = 132.90 \text{ g/mol}$
Note(s): CAS 7440-46-2 (element)
NPU16911
P—Caesium(I); subst.c. = ? nmol/l

Urine—
Caesium;
substance concentration
nanomole/litre
$A = 132.90 \text{ g/mol}$
Note(s): CAS 7440-46-2 (element)
NPU01431
U—Caesium; subst.c. = ? nmol/l
**Urine—**
Cannabinoids;

*arbitrary concentration (procedure)*

$M_{\text{cannabinol}} = 310.44 \text{ g/mol}$

Authority: INN

Note(s): CAS 521-35-7 (cannabinol); e.g., Cannabidiol; Cannabinol; Tetrahydrocannabinol

NPU08957

U—Cannabinoids; arb.c.(proc.) = ?

**Urine—**
Cannabinoids;

*substance concentration*  
*micromole/litre*

$M_{\text{cannabinol}} = 310.44 \text{ g/mol}$

Authority: INN

Note(s): CAS 521-35-7 (cannabinol); e.g., Cannabidiol; Cannabinol; Tetrahydrocannabinol

NPU04622

U—Cannabinoids; subst.c. = ? µmol/l

**Urine—**
Cannabinol;

*substance concentration*  
*nanomole/litre*

$M_{\text{cannabinol}} = 310.44 \text{ g/mol}$

Authority: INN

Note(s): CAS 521-35-7 (cannabinol); e.g., Cannabidiol; Cannabinol; Tetrahydrocannabinol

NPU01452

U—Cannabinol; subst.c. = ? nmol/l

**Air(ambient)—**
Carbaryl;

*substance concentration*  
*nanomole/litre*

$M = 201.22 \text{ g/mol}$

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

Drinking water—Carbaryl; subst.c. = ? nmol/l

**Drinking water—**
Carbaryl;

*substance concentration*  
*nanomole/litre*

$M = 191.19 \text{ g/mol}$

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

Drinking water—Carbendazim; subst.c. = ? nmol/l

**Plasma—**
Carbohydrate deficient transferrin

*substance concentration*  
*micromole/litre*

$M_{\text{transferrin}} = \text{about } 80000 \text{ g/mol}$

Other term(s): CDT

NPU16562

P—Carbohydrate deficient transferrin; subst.c. = µmol/l

**Air(ambient)—**
Carbon disulfide;

*substance concentration*  
*micromole/metre³*

$M = 76.14 \text{ g/mol}$

Other term(s): Carbon bisulfide; Carbon bisulphide; Carbon disulphide; Methanedithione

Authority: ISO

Note(s): CAS 75-15-0

NPU16563

Air(amb)—Carbon disulfide; subst.c. = ? µmol/m³
Air(ambient)—
Carbon monoxide;
substance concentration
millimole/metre³
$M = 28.01 \text{ g/mol}$
Other term(s): Carbon oxide; Flue gas; Monoxide
Note(s): CAS 630-08-0
NPU16564
Air(amb)—Carbon monoxide; subst.c. = ? mmol/m³

Haemoglobin(total, blood)—
Carboxyhaemoglobin;
substance fraction
$M_{(HbFe)} = \text{about 16 100 g/mol}$
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/metre³
$M = 153.82 \text{ g/mol}$
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/m³

Cerebrospinal fluid—
Chloramphenicol;
substance concentration
micromole/litre
$M = 323.14 \text{ g/mol}$
Other term(s): 2,2-Dichloro-\(N\)-[(1\(R\),2\(R\))-2-hydroxy-1-(hydroxymethyl)]-2-(4-nitrophenyl)ethyl]acetamide; Ak-Chlor; Ampicol; Anacetin; Aqumycetin; Chemicetina; Chloramex; Chlorasol; Chloric; Chlorocid; Chloromycetin; Chloroptic; Cloramfen; Chlorocyn; Enicol; Farmicetina; Fenicol; Globenicol; Intramycetin; Kemicetina; Leukomycin; Micocolina; Mychel; Mycinol; Novomycetin; Ophthochlor; Pantovernel; Paraxin; Quemicetina; Ronphenil; Sintomicetina; SnoPhenic; Synthomycetin; Tevoccin; Tifomycine; Veticol; Vicetol
Authority: INN
Note(s): CAS 56-75-7
NPU17513
Csf—Chloramphenicol; subst.c. = ? µmol/l

Plasma—
Chloramphenicol;
substance concentration
micromole/litre
$M = 323.14 \text{ g/mol}$
Other term(s): 2,2-Dichloro-\(N\)-[(1\(R\),2\(R\))-2-hydroxy-1-(hydroxymethyl)]-2-(4-nitrophenyl)ethyl]acetamide; Ak-Chlor; Ampicol; Anacetin; Aqumycetin; Chemicetina; Chloramex; Chlorasol; Chloric; Chlorocid; Chloromycetin; Chloroptic; Cloramfen; Chlorocyn; Enicol; Farmicetina; Fenicol; Globenicol; Intramycetin; Kemicetina; Leukomycin; Micocolina; Mychel; Mycinol; Novomycetin; Ophthochlor; Pantovernel; Paraxin; Quemicetina; Ronphenil; Sintomicetina; SnoPhenic; Synthomycetin; Tevoccin; Tifomycine; Veticol; Vicetol
Authority: INN
Note(s): CAS 56-75-7
NPU12934
P—Chloramphenicol; subst.c. = ? µmol/l

System(specification)—
Chloramphenicol;
substance concentration
micromole/litre
$M = 323.14 \text{ g/mol}$
Other term(s): 2,2-Dichloro-\(N\)-[(1\(R\),2\(R\))-2-hydroxy-1-(hydroxymethyl)]-2-(4-nitrophenyl)ethyl]acetamide; Ak-Chlor; Ampicol; Anacetin; Aqumycetin; Chemicetina; Chloramex; Chlorasol; Chloric; Chlorocid; Chloromycetin; Chloroptic; Cloramfen; Chlorocyn; Enicol; Farmicetina; Fenicol; Globenicol; Intramycetin; Kemicetina; Leukomycin; Micocolina; Mychel; Mycinol; Novomycetin; Ophthochlor; Pantovernel; Paraxin; Quemicetina; Ronphenil; Sintomicetina; SnoPhenic; Synthomycetin; Tevoccin; Tifomycine; Veticol; Vicetol
Authority: INN
Note(s): CAS 56-75-7
NPU17513
Syst(spec.)—Chloramphenicol; subst.c. = ? µmol/l

Urine—
Chloramphenicol;
substance concentration
micromole/litre
$M = 323.14 \text{ g/mol}$
Other term(s): 2,2-Dichloro-\(N\)-[(1\(R\),2\(R\))-2-hydroxy-1-(hydroxymethyl)]-2-(4-nitrophenyl)ethyl]acetamide; Ak-Chlor; Ampicol; Anacetin; Aqumycetin; Chemicetina; Chloramex; Chlorasol; Chloric; Chlorocid; Chloromycetin; Chloroptic; Cloramfen; Chlorocyn; Enicol; Farmicetina; Fenicol; Globenicol; Intramycetin; Kemicetina; Leukomycin; Micocolina; Mychel; Mycinol; Novomycetin; Ophthochlor; Pantovernel; Paraxin; Quemicetina; Ronphenil; Sintomicetina; SnoPhenic; Synthomycetin; Tevoccin; Tifomycine; Veticol; Vicetol
Authority: INN
Note(s): CAS 56-75-7
NPU12937
U—Chloramphenicol; subst.c. = ? µmol/l
Drinking water—

Chlordane;

- substance concentration
  nanomole/litre
  \( M = 409.8 \text{ g/mol} \)
  Other term(s): \( 1,2,4,5,6,7,8,8\text{-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene; } \) Belt; CD-88; Chlordan; Chlordano; Corodane; Niran; Octachlor;
  Ortho-Klor; Synklor; Toxiclor; Velsicol 1068
  Authority: ISO
  Note(s): CAS 57-74-9
  NPU16566

Drinking water—Chlordane; subst.c. = ? nmol/l

Air(ambient)—

Chlordecone;

- substance concentration
  nanomole/metre³
  \( M = 490.64 \text{ g/mol} \)
  Other term(s):
  \( \text{Perchloropentacyclo}[5.3.0.0^{2,6}.03,9,04,8] \text{decan-5-one; } \) GC-1189; Kepone
  Authority: ISO
  Note(s): CAS 143-50-0
  NPU16567

Air(amb)—Chlordecone; subst.c. = ? nmol/m³

Drinking water—

Chlordecone;

- substance concentration
  nanomole/litre
  \( M = 490.64 \text{ g/mol} \)
  Other term(s):
  \( \text{Perchloropentacyclo}[5.3.0.0^{2,6}.03,9,04,8] \text{decan-5-one; } \) GC-1189; Kepone
  Authority: ISO
  Note(s): CAS 143-50-0
  NPU16568

Drinking water—Chlordecone; subst.c. = ? nmol/l

Air(ambient)—

Chlordimeform;

- substance concentration
  nanomole/metre³
  \( M = 196.67 \text{ g/mol} \)
  Other term(s):
  \( N_2\text{-}(4\text{-chloro-2-methylphenyl})-N_1,N_1\text{-dimethylformamidine; } \) N2-(4-chloro-2-methylphenyl)-N1,N1-dimethylformamidine; CDM; Chlorophenamidine;
  Chlorphenamidine; Ciba8514; Fundal; Galecron; Schering 36268; Spanon
  Authority: ISO
  Note(s): CAS 6164-98-3
  NPU16570

Drinking water—Chlordimeform; subst.c. = ? nmol/l

Urine—

Chlorinated hydrocarbon;

- arbitrary concentration(procedure)
  Other term(s): Fujiwara reactive compounds
  Note(s): Examples of chlorinated hydrocarbons are Chloroform; Chloral hydrate
  NPU16571

U—Chlorinated hydrocarbon; arb.c.(proc.) = ?

Drinking water—

Chlorinated paraffins(typically C12H20Cl6);

- substance concentration
  nanomole/litre
  \( M \text{(typically)} = 377 \text{ g/mol} \)
  Note(s): CAS 108171-26-2
  NPU16572

Drinking water—Chlorinated paraffins(typically C12H20Cl6); subst.c. = ? nmol/l

Drinking water—

Chlorinated paraffins(typically C23H40Cl8);

- substance concentration
  nanomole/litre
  \( M \text{(typically)} = 600 \text{ g/mol} \)
  Note(s): CAS 108171-27-3
  NPU16573

Drinking water—Chlorinated paraffins(typically C23H40Cl8); subst.c. = ? nmol/l

Air(ambient)—

Chlorine;

- substance concentration
  micromole/metre³
  \( M = 70.91 \text{ g/mol} \)
  Note(s): CAS 7782-50-5
  NPU16574

Air(amb)—Chlorine; subst.c. = ? µmol/m³
Drinking water—

Chlorine:

- substance concentration
- micromole/litre
- \( M = 70.91 \text{ g/mol} \)
- Note(s): CAS 7782-50-5

NPU16575

Drinking water—Chlorine; subst.c. = ? µmol/l

Air(ambient)—

Chlorobenzenes(except hexachlorobenzene):

- substance concentration
- micromole/metre³
- \( M(\text{monochlorobenzene}) = 112.56 \text{ g/mol} \)
- Authority: ISO
- Note(s): CAS 108-90-7; Molar mass for a typical monochlorobenzene

NPU16576

Air(amb)—Chlorobenzenes(except hexachlorobenzene); subst.c. = ? µmol/m³

Drinking water—

Chlorobenzenes(except hexachlorobenzene):

- substance concentration
- micromole/litre
- \( M(\text{monochlorobenzene}) = 112.56 \text{ g/mol} \)
- Authority: ISO
- Note(s): CAS 108-90-7; Molar mass for a typical monochlorobenzene

NPU16577

Drinking water—Chlorobenzenes(except hexachlorobenzene); subst.c. = ? µmol/l

Air(ambient)—

Chloroform:

- substance concentration
- millimole/metre³
- \( M = 119.39 \text{ g/mol} \)
- Other term(s): Methane trichloride; Trichloromethane
- Note(s): CAS 67-66-3

NPU16578

Air(amb)—Chloroform; subst.c. = ? mmol/m³

Drinking water—

Chloroform:

- substance concentration
- nanomole/litre
- \( M = 119.39 \text{ g/mol} \)
- Other term(s): Methane trichloride; Trichloromethane
- Note(s): CAS 67-66-3

NPU16579

Drinking water—Chloroform; subst.c. = ? µmol/l

Air(ambient)—

Chlorophenol:

- substance concentration
- millimole/metre³
- \( M = 128.56 \text{ g/mol} \)
- Other term(s): 1-Chloro-2-hydroxybenzene; \( \alpha \)-Chlorophenol; Chlorophenolate; 2-Hydroxychlorobenzene
- Note(s): CAS 95-57-8

NPU16580

Air(amb)—2-Chlorophenol; subst.c. = ? mmol/m³

Drinking water—

Chlorophenol:

- substance concentration
- nanomole/litre
- \( M = 128.56 \text{ g/mol} \)
- Other term(s): 1-Chloro-2-hydroxybenzene; \( \alpha \)-Chlorophenol; Chlorophenolate; 2-Hydroxychlorobenzene
- Note(s): CAS 95-57-8

NPU16581

Drinking water—2-Chlorophenol; subst.c. = ? nmol/l

Air(ambient)—

Chlorophenol:

- substance concentration
- millimole/metre³
- \( M = 128.56 \text{ g/mol} \)
- 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/m³

Drinking water—

Chlorophenol:

- substance concentration
- nanomole/litre
- \( M = 128.56 \text{ g/mol} \)
- Other term(s): 3-Chlorohydroxybenzene; \( m \)-Chlorophenol; 3-Hydroxychlorobenzene; Meta-chlorophenol
- Note(s): CAS 108-43-0

NPU16583

Drinking water—3-Chlorophenol; subst.c. = ? nmol/l
Air(ambient)—
4-
Chlorophenol;
substance concentration
millimole/metre³
$M = 128.56$ g/mol
Other term(s): Applied 3-78; p-Chlorophenolic acid; p-Chlorophenol; p-Hydroxychlorobenzene; 4-Hydroxychlorobenzene
Note(s): CAS 106-48-9
NPU16584
Air(amb)—4-Chlorophenol; subst.c. = ? mmol/m³

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

Drinking water—
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
Drinking water—Chlorothalonil; subst.c. = ? nmol/l

Air(ambient)—
Chromates;
substance concentration
nanomole/metre³
$M = 115.99$ g/mol
Note(s): CAS 1333-82-0 (chromic acid)
NPU16587
Air(amb)— Chromates; subst.c. = ? nmol/m³

Drinking water—
Chromates;
substance concentration
nanomole/litre
$M = 115.99$ g/mol
Note(s): CAS 1333-82-0 (chromic acid)
NPU16588
Drinking water— Chromates; subst.c. = ? nmol/l

Air(ambient)—
Chromium(III and VI);
substance concentration
micromole/metre³
$A = 51.99$ g/mol
Note(s): CAS 7440-47-3 (element)
NPU16589
Air(amb)—Chromium(III and VI); subst.c. = ? µmol/m³

Air(specification)—
Chromium(VI);
substance concentration
micromole/metre³
$A = 51.99$ g/mol
Note(s): CAS 7440-47-3 (element)
NPU16590
Air(spec.)—Chromium(VI); subst.c. = ? µmol/m³

Cells(blood)—
Chromium(III);
substance content
nanomole/kilogram
$A = 51.99$ g/mol
Note(s): CAS 7440-47-3 (element)
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)
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)
NPU01590
U—Chromium(III); subst.c. = ? nmol/l
Urine—
Cocaine and metabolites;
  arbitrary concentration(procedure)
Authority: INN
CAS Registry Number: 50-36-2 (cocaine)
Note(s): Examples of metabolites are Benzoylecgonine; Ecgonine; Ecgonine
methylester
NPU08955
U—Cocaine and metabolites; arb.c.(proc.) =

Cells(Blood)—
Copper;
  substance content
micromole/kilogram
A = 63.55 g/mol
Note(s): CAS 7440-50-8 (element)
NPU04905
Cells(B)—Copper; subst.cont. = ? µmol/kg

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

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

Air(ambient)—
Copper(0+I+II; Dust+Mist);
  substance concentration
micromole/metre³
A = 63.55 g/mol
Other term(s): Copper(total)
Note(s): CAS 7440-50-8 (element)
NPU16591
Air(amb)—Copper(0+I+II; Dust+Mist); subst.c. = ? µmol/m³

Air(specification)—
Copper oxide(dust+fume);
  substance concentration
micromole/metre³
A = 79.54 g/mol
Note(s): CAS 1317-38-0
NPU16592
Air(spec.)—Copper oxide(dust+fume); subst.c. = ? µmol/m³

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)—
2- Methylphenol;
  substance concentration
micromole/metre³
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-Methylphenol; subst.c. = ? µmol/m³

Drinking water—
2- Methylphenol;
  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
Drinking water—2-Methylphenol l; subst.c. = ? nmol/l
Air(ambient)—

3-
Methylphenol;

substance concentration
micromole/metre³
$M = 108.15 \text{ g/mol}$
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-Methylphenol; subst.c. = ? µmol/m³

Drinking water—

3-
Methylphenol;

substance concentration
nanomole/litre
$M = 108.15 \text{ g/mol}$
Other term(s): 3-Methylphenol, 3-Cresol, $m$-Cresylic acid, 1-Hydroxy-3-methylbenzene, 3-Hydroxytoluene
Note(s): CAS 108-39-4
NPU16598
Drinking water—3-Methylphenol; subst.c. = ? nmol/l

Food(specification)—

Cyanide ion;

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

Drinking water—

Cyanide ion;

substance concentration
micromole/litre
$M = 26.03 \text{ g/mol}$
Note(s): CAS 74-90-8 (hydrogen cyanide)
NPU16602
Drinking water—Cyanide ion; subst.c. = ? µmol/l

Food(specification)—

Cypermethrin;

substance content
nanomole/kilogram
$M = 416.30 \text{ g/mol}$
Other term(s): (RS)-...Cyano-3-phenoxybenzyl(1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropane-1-carboxylate; Agrothrin; Ammo; Arrivo; Barricade; Cymbush; Cynoff; Cypercare; Cyperkill; Cypersect; Demon; Dysect; Ectomin; Ectoper; 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(spec.)—Cypermethrin; subst.cont. = ? nmol/kg

Drinking water—

Cypermethrin;

substance concentration
nanomole/litre
$M = 416.30 \text{ g/mol}$
Other term(s): (RS)-...Cyano-3-phenoxybenzyl(1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropane-1-carboxylate; Agrothrin; Ammo; Arrivo; Barricade; Cymbush; Cynoff; Cypercare; Cyperkill; Cypersect; Demon; Dysect; Ectomin; Ectoper; Fastac; Flectron; FMC-30980; NRDC-149; Nurelle; Parasol; Polytrin; PP-383; Ripcord; Rycopel; Sherpa; Topclip
Authority: ISO
Note(s): CAS 52315-07-8
NPU16604
Drinking water—Cypermethrin; subst.c. = ? nmol/l
Food(specification)—

4,4'-DDD

substance content
nanomole/kilogram
$M = 320.05 \text{ g/mol}$
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

NP16608
Food(spec.)—4,4'-DDD; subst.cont. = ? nmol/kg

Drinking water—

4,4'-DDD

substance concentration
nanomole/litre
$M = 320.05 \text{ g/mol}$
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

NP16609
Drinking water—4,4'-DDD; subst.c. = ? nmol/l

Food(specification)—

DDE

substance content
nanomole/kilogram
$M = 318.03 \text{ g/mol}$
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

NP16610
Food(spec.)—DDE; subst.cont. = ? nmol/kg

Drinking water—

DDE

substance concentration
nanomole/litre
$M = 318.03 \text{ g/mol}$
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

NP16611
Drinking water—DDE; subst.c. = ? nmol/l

Air(ambient)—

Chlorophenothane;
substance concentration
micromole/metre³
$M = 354.49 \text{ g/mol}$
Other term(s): 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane; Agritan; Chlorophenothane; Clofenotane; p,p'-DDT; Dichlorodiphenyltrichloroethane; Dichlopane; Gesapon; Gesarex; Gesarol; Guesapon; Neocid; Pentachlorin
Authority: ISO
Note(s): CAS 50-29-3

NP16612
Air(amb)—Chlorophenothane; subst.c. = ? µmol/m³

Food(specification)—

Chlorophenothane;
substance content
nanomole/kg
$M = 354.49 \text{ g/mol}$
Other term(s): 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane; Agritan; Chlorophenothane; Clofenotane; p,p'-DDT; Dichlorodiphenyltrichloroethane; Dichlopane; Gesapon; Gesarex; Gesarol; Guesapon; Neocid; Pentachlorin
Authority: ISO
Note(s): CAS 50-29-3

NP16613
Food(spec.)—Chlorophenothane; subst.cont. = ? nmol/kg

Drinking water—

Chlorophenothane;
substance concentration
nanomole/litre
$M = 354.49 \text{ g/mol}$
Other term(s): 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane; Agritan; Chlorophenothane; Clofenotane; p,p'-DDT; Dichlorodiphenyltrichloroethane; Dichlopane; Gesapon; Gesarex; Gesarol; Guesapon; Neocid; Pentachlorin
Authority: ISO
Note(s): CAS 50-29-3

NP16614
Drinking water—Chlorophenothane; subst.c. = ? nmol/l

Drinking water—

Demeton-S-methyl;
substance concentration
nanomole/litre
$M = 258.34 \text{ g/mol}$
Other term(s): S-(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

NP16615
Drinking water—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(spec.)—2,5-Diaminotoluene; subst.cont. = ? nmol/kg

Drinking water—
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
Drinking water—2,5-Diaminotoluene; subst.c. = ? nmol/l

Air(ambient)—
Diazinon;
substance concentration
micromole/metre³
\( M = 304.36 \) 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/m³

Drinking water—
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
Drinking water—Diazinon; subst.c. = ? nmol/l

Air(ambient)—
1,2-Dibromoethane;
substance concentration
nanomole/metre³
\( M = 187.88 \) g/mol
Other term(s): Ethylene dibromide
Note(s): CAS 106-93-4
NPU16622
Air(amb)—1,2-Dibromoethane; subst.c. = ? nmol/m³

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

Air(ambient)—
Dibutyl phthalate;
substance concentration
micromole/metre³
\( M = 278.34 \) 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/m³

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(spec.)—Dibutyl phthalate; subst.cont. = ? nmol/kg

Drinking water—
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
Drinking water—Dibutyl phthalate; subst.c. = ? nmol/l
Air(ambient)—

1,1-Dichloroethane;
substance concentration
millimole/metre³
\(M = 98.96 \text{ g/mol}\)
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/m³

Drinking water—

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

Air(ambient)—

2,4-Dichlorophenoxyacetate;
substance concentration
micromole/metre³
\(M = 220.04 \text{ g/mol}\)
Other term(s): Agrotect; Amidox; Amoxone; Aqua-kleen; Asgrow Aqua KD; Chloroxone; Cropriber; 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; Weedrol
Authority: ISO
Note(s): CAS 94-75-7 (2,4-Dichlorophenoxyacetic acid)
NPU16605
Air(amb)—2,4-Dichlorophenoxyacetate; subst.c. = ? µmol/m³

Food(specification)—

2,4-Dichlorophenoxyacetate;
substance content
nanomole/kilogram
\(M = 220.04 \text{ g/mol}\)
Other term(s): Agrotect; Amidox; Amoxone; Aqua-kleen; Asgrow Aqua KD; Chloroxone; Cropriber; 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; Weedrol
Authority: ISO
Note(s): CAS 94-75-7 (2,4-Dichlorophenoxyacetic acid)
NPU16607
Drinking water—2,4-Dichlorophenoxyacetate; subst.cont. = ? nmol/kg

Drinking water—

2,4-Dichlorophenoxyacetate;
substance concentration
nanomole/litre
\(M = 220.04 \text{ g/mol}\)
Other term(s): Agrotect; Amidox; Amoxone; Aqua-kleen; Asgrow Aqua KD; Chloroxone; Cropriber; 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; Weedrol
Authority: ISO
Note(s): CAS 94-75-7 (2,4-Dichlorophenoxyacetic acid)
NPU16607
Drinking water—2,4-Dichlorophenoxyacetate; subst.c. = ? nmol/l

Air(ambient)—

1,2-Dichloropropane;
substance concentration
micromole/metre³
\(M = 112.99 \text{ g/mol}\)
Other term(s): Propylene dichloride
Note(s): CAS 78-87-5
NPU16629
Air(amb)—1,2-Dichloropropane; subst.c. = ? µmol/m³
Drinking water—

1,2-

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

Air(ambient)—

1,3-

Dichloropropene;
substance concentration
micromole/metre³
\( M = 110.98 \text{ g/mol} \)
Other term(s): 3-Chloroallyl chloride; DCP; 1,3-Dichloro-1-propene; 1,3- Dichloropropyene; Telone
Note(s): CAS 542-75-6
NPU16631
Air(amb)—1,3-Dichloroprop-1-ene; subst.c. = ? µmol/m³

Drinking water—

1,3-

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

Air(ambient)—

2,2-

Dichlorvos;
substance concentration
micromole/metre³
\( M = 220.98 \text{ g/mol} \)
Other term(s): 2,2-Dichlorovinyl dimethyl phosphate; DDVP; 2,2- Dichloroethenyl dimethyl phosphate
Authority: ISO
Note(s): CAS 62-73-7
NPU16634
Drinking water—Dichlorvos; subst.c. = ? nmol/l

Air(ambient)—

Dieldrin;
substance concentration
micromole/metre³
\( M = 380.93 \text{ g/mol} \)
Other term(s): 1(1R,4S,4aS,5R,6R,7S,8S,8aR)-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/m³

Food(specification)—

Dieldrin;
substance content
nanomole/kilogram
\( M = 380.93 \text{ g/mol} \)
Other term(s): 1(1R,4S,4aS,5R,6R,7S,8S,8aR)-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(spec.)—Dieldrin; subst.cont. = ? nmol/kg

Drinking water—

Dieldrin;
substance concentration
nanomole/litre
\( M = 380.93 \text{ g/mol} \)
Other term(s): 1(1R,4S,4aS,5R,6R,7S,8S,8aR)-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
Drinking water—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/metre³
$M = 388.55$ 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. = ? µmol/m³

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(spec.)—Diethylhexyl phthalate; subst.cont. = ? µmol/kg

Drinking water—
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
Drinking water—Diethylhexyl phthalate; subst.c. = ? nmol/l

Air(ambient)—
Diethyl phthalate;
substance concentration
micromole/metre³
$M = 220.24$ 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. = ? µmol/m³

Drinking water—
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
Drinking water—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;
Diethylstilboestrolum; Domestrol; Estroben; Estrosyn; Fonatal; Grafestrol;
Makarol; Micrest; Milesto; Neo-Oestranol I; NSC-3070; Oestrogenine;
Oestromenin; Oestromensyl; Oestromon; Palestrol; Serral; Sexocretin; Sibol;
Stibestrol; Stilbelin; Stilboefral; Stilboestroform; Stilboestrol; Stilkap; Synestrin;
Synthoestrin; Vgestrol
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 (spec.)—Dimethoate; subst.cont. = ? nmol/kg
Drinking water—

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

Air(ambient)—

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

Drinking water—

\( \text{N,N-} \)Dimethylformamide:
substance concentration
nanomole/litre
\( M = 73.09 \text{ g/mol} \)
Other term(s): Dimethylformamide; DMF
Note(s): CAS 68-12-2
NPU16648
Drinking water—\( \text{N,N-} \)Dimethylformamide; subst.c. = ? nmol/l

Air(ambient)—

Dimethylmercury:
substance concentration
nanomole/litre
\( M = 230.66 \text{ g/mol} \)
Other term(s): Dimethylmercury; Hg(II) dimethyldithiocarbamate
Note(s): CAS 56-99-8
NPU16649
Air(amb)—Dimethylmercury; subst.c. = ? nmol/m\(^3\)

Air(ambient)—

Dimethyl sulfate:
substance concentration
micromole/metre\(^3\)
\( M = 126.13 \text{ g/mol} \)
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\(^3\)

Drinking water—

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

Blood—

Dimethyl sulfoxide:
substance concentration
millimole/litre
\( M = 78.14 \text{ g/mol} \)
Other term(s): Dimethyl sulfoxide; DMF;
\( \text{Methyl sulfoxide; DMSO; DMS-70; DMS-90; Domosol; Dromisol; Gamasol 90; Hyadur; Kemsol; Methyl sulfoxide; Methyl sulfoxide; Rimso-50; Sclerosol; Somipront; SQ-9453; Syntexan} \)
Note(s): CAS 67-68-5
NPU16652
Blood—Dimethyl sulfoxide; subst.c. = ? mmol/l

Air(ambient)—

4,6-Dinitro-o-cresol:
substance concentration
micromole/metre\(^3\)
\( M = 198.13 \text{ g/mol} \)
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\(^3\)

Drinking water—

4,6-Dinitro-o-cresol:
substance concentration
nanomole/litre
\( M = 198.13 \text{ g/mol} \)
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
Drinking water—4,6-Dinitro-o-cresol; subst.c. = ? nmol/l
Air(ambient)—

Diquat;
substance concentration
micromole/metre³
M = 344.05 g/mol
Other term(s): 9,10-Dihydro-8a,10adiazoniaphenanthrene; Diquat dibromide; 1,1'-Ethylene-2,2'-bipyridylium dibromide
Authority: ISO
Note(s): CAS 85-00-7
NPU16655
Air(amb)—Diquat; subst.c. = ? µmol/m³

Drinking water—

Diquat;
substance concentration
nanomole/litre
M = 344.05 g/mol
Other term(s): 9,10-Dihydro-8a,10adiazoniaphenanthrene; Diquat dibromide; 1,1'-Ethylene-2,2'-bipyridylium dibromide
Authority: ISO
Note(s): CAS Registry Number: 85-00-7
NPU16660
Drinking water—Diquat; subst.c. = ? nmol/l

Plasma—

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

Air(ambient)—

Endosulfan;
substance concentration
micromole/metre³
M = 406.95 g/mol
Other term(s): (1,4,5,6,7,7-Hexachloro-8,9,10-trinorborn-5-ene-2,3-diyli)bismethylene sulfite; Benzoepin; Endosulphan; 6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9ahexahydro-6,9-methano-2,4,3-benzodioxiathiepin-3-oxide; Thiodan
Authority: ISO
Note(s): CAS Registry Number: 115-29-7
NPU16661
Air(amb)—Endosulfan; subst.c. = ? µmol/m³

Drinking water—

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-diyli)bismethylene sulfite; Benzoepin; Endosulphan; 6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9ahexahydro-6,9-methano-2,4,3-benzodioxiathiepin-3-oxide; Thiodan
Authority: ISO
Note(s): CAS Registry Number: 115-29-7
NPU16660
Drinking water—Endosulfan; subst.c. = ? nmol/l

Air(ambient)—

Endrin;
substance concentration
micromole/metre³
M = 380.93 g/mol
Other term(s): (1R,4S,4aS,5S,6S,7R,8R,8aR)-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
Drinking water—Endrin; subst.c. = ? µmol/m³

Drinking water—

Endrin;
substance concentration
nanomole/litre
M = 380.93 g/mol
Other term(s): (1R,4S,4aS,5S,6S,7R,8R,8aR)-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
Drinking water—Endrin; subst.c. = ? nmol/l

Air(ambient)—

Epichlorohydrin;
substance concentration
micromole/metre³
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/m³
Drinking water—
Epichlorohydrin;
substance concentration
nanomole/litre
$M = 92.53 \text{ g/mol}$
Other term(s): (Chloromethyl)oxirane; 1-Chloro-2,3-epoxypropane; 
2-Chloropropylene oxide; γ-Chloropropylene oxide
Note(s): CAS 106-89-8
NPU16664
Drinking water—Epichlorohydrin; subst.c. = ? nmol/l

Air(specification)—
Ethanol;
substance concentration
millimole/metre³
$M = 46.07 \text{ g/mol}$
Other term(s): ‘Alcohol’; Ethyl alcohol; Ethyl hydrate; Ethyl hydroxide;
Hydroxyethane
Note(s): CAS 64-17-5
NPU16665
Air(spec.)—Ethanol; subst.c. = ? mmol/m³

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

Blood—
Ethanol;
substance concentration
millimole/litre
$M = 46.07 \text{ g/mol}$
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
$M = 46.07 \text{ g/mol}$
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
$M = 46.07 \text{ g/mol}$
Other term(s): ‘Alcohol’; Ethyl alcohol; Ethyl hydrate; Ethyl hydroxide;
Hydroxyethane
Note(s): CAS 64-17-5
NPU01993
U—Ethanol; subst.c. = ? mmol/l

Drinking water—
Ethanol;
substance concentration
nanomole/litre
$M = 46.07 \text{ g/mol}$
Other term(s): ‘Alcohol’; Ethyl alcohol; Ethyl hydrate; Ethyl hydroxide;
Hydroxyethane
Note(s): CAS 64-17-5
NPU16668
Drinking water—Ethanol; subst.c. = ? nmol/l

Air(ambient)—
2-
Ethoxyethanol;
substance concentration
micromole/metre³
$M = 90.12 \text{ g/mol}$
Other term(s): Cellosolve; EGEE; Ethylene glycol monoethyl ether
Note(s): CAS 110-80-5
NPU16669
Air(amb)—2-Ethoxyethanol; subst.c. = ? µmol/m³

Air(ambient)—
Ethylbenzene;
substance concentration
millimole/metre³
$M = 106.16 \text{ g/mol}$
Other term(s): Ethylbenzol; Phenylethane
Note(s): CAS 100-41-4
NPU16670
Air(amb)—Ethylbenzene; subst.c. = ? mmol/m³

Drinking water—
Ethylbenzene;
substance concentration
nanomole/litre
$M = 106.16 \text{ g/mol}$
Other term(s): Ethylbenzol; Phenylethane
Note(s): CAS 100-41-4
NPU16671
Drinking water—Ethylbenzene; subst.c. = ? nmol/l
Air(ambient)—
Ethylene glycol;
substance concentration
micromole/metre³
\( M = 62.07 \text{ g/mol} \)
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/m³

Beverage(specification)—
Ethylene glycol;
substance concentration
nanomole/litre
\( M = 62.07 \text{ g/mol} \)
Other term(s): Ethane-1,2-diol; 1,2-Dihydroxyethane; 1,2-Ethanediol; Glycol; Glycol alcohol; Monoethylene glycol
Note(s): CAS 107-21-1
NPU16673
Beverage(spec.)—Ethylene glycol; subst.c. = ? nmol/l

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

Drinking water—
Ethylene glycol;
substance concentration
nanomole/litre
\( M = 62.07 \text{ g/mol} \)
Other term(s): Ethane-1,2-diol; 1,2-Dihydroxyethane; 1,2-Ethanediol; Glycol; Glycol alcohol; Monoethylene glycol
Note(s): CAS 107-21-1
NPU16675
Drinking water—Ethylene glycol; subst.c. = ? nmol/l

Air(ambient)—
Ethylene oxide;
substance concentration
micromole/metre³
\( M = 44.06 \text{ g/mol} \)
Other term(s): Oxirane; Dimethylene oxide; 1,2-Epoxy ethane
Note(s): CAS 75-21-8
NPU16676
Air(amb)—Ethylene oxide; subst.c. = ? µmol/m³

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

Urine—
Ethylglucuronide;
substance concentration
micromole/litre
\( M = 116.95 \text{ g/mol} \)
Other term(s): Ethyl α-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
\( M = 277.41 \text{ g/mol} \)
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
\( M = 265.10 \text{ g/mol} \)
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/metre³
M = 277.25 g/mol
Other term(s): \(\text{O, O-dimethyl O-(3-methyl-4-nitrophenyl) phosphorothioate; AC-47300; Accothion; Bayer 41831; Bayer S 5660; Cyfen; Cyten; O, O-dimethyl O-4-nitro- m-tolyl phosphorothioate; O, O-dimethyl O-4-nitro-m-tolyl thiophosphate; EN'T-25715; Folithion; MEP; Metathion; OMS-45; Sumithion}\)
Authority: ISO
Note(s): CAS 122-14-5

**NPU16680**
Air(amb)—Fenitrothion; subst.c. = ? µmol/m³

Drinking water—
Fenitrothion;
substance concentration
nanomole/litre
M = 277.25 g/mol
Other term(s): \(\text{O, O-dimethyl O-(3-methyl-4-nitrophenyl) phosphorothioate; AC-47300; Accothion; Bayer 41831; Bayer S 5660; Cyfen; Cyten; O, O-dimethyl O-4-nitro- m-tolyl phosphorothioate; O, O-dimethyl O-4-nitro-m-tolyl thiophosphate; EN'T-25715; Folithion; MEP; Metathion; OMS-45; Sumithion}\)
Authority: ISO
Note(s): CAS 122-14-5

**NPU16681**
Drinking water—Fenitrothion; subst.c. = ? nmol/l

Air(ambient)—
Fenvalerate;
substance concentration
micromole/metre³
M = 419.93 g/mol
Other term(s): \(\text{(RS)-a-Cyano-3-phenoxybenzyl-(RS)-2-(4-chlorophenyl)-3-methylbutanoate; Belmark; Cyano(3-phenoxyphenyl)methyl 4-chloro-a-(1-methylethyl)benzeneacetate; Phenvlarate; Pydrin; Pyridin; S-5602; SD-43775; Somicidin; Tirade; WL-43775}\)
Authority: ISO
Note(s): CAS Registry Number: 51630-58-1

**NPU16682**
Air(amb)—Fenvalerate; subst.c. = ? µmol/m³

Drinking water—
Fenvalerate;
substance concentration
nanomole/litre
M = 419.93 g/mol
Other term(s): \(\text{(RS)-a-Cyano-3-phenoxybenzyl-(RS)-2-(4-chlorophenyl)-3-methylbutanoate; Belmark; Cyano(3-phenoxyphenyl)methyl 4-chloro-a-(1-methylethyl)benzeneacetate; Phenvlarate; Pydrin; Pyridin; S-5602; SD-43775; Somicidin; Tirade; WL-43775}\)
Authority: ISO
Note(s): CAS Registry Number: 51630-58-1

**NPU16683**
Drinking water—Fenvalerate; subst.c. = ? nmol/l

Plasma—
Fluoride;
substance concentration
micromole/litre
A = 19.00 g/mol
Note(s): CAS 16894-48-8

**NPU04882**
P—Fluoride ion; subst.c. = ? µmol/l

Drinking water—
Fluoride;
substance concentration
micromole/litre
A = 19.00 g/mol
Note(s): CAS 16894-48-8

**NPU16684**
Drinking water—Fluoride ion; subst.c. = ? µmol/l

Air(ambient)—
Fluorine(total);
substance concentration
micromole/metre³
A = 19.00 g/mol
Other term(s): Difluorine
Note(s): CAS 7782-41-4 (fluorine gas)

**NPU16685**
Air(amb)—Fluorine(total); subst.c. = ? µmol/m³

Air(ambient)—
Fluorine(gas);
substance concentration
micromole/metre³
M = 38.00 g/mol
Other term(s): Methanal; Methyl anhydride; Methylene oxide
Note(s): CAS 50-00-0

**NPU16686**
Air(amb)—Fluorine(gas); subst.c. = ? µmol/m³

Air(ambient)—
Formaldehyde;
substance concentration
micromole/metre³
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/m³
Drinking water—
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
  Drinking water—Formaldehyde; subst.c. = ? nmol/l

Air(ambient)—
Formate:
  substance concentration micromole/metre³
  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/m³

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

Drinking water—
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
  Drinking water—Formate; subst.c. = ? mmol/l

Plasma—
Glycolate:
  substance concentration millimole/litre
  M(glycolic acid) = 75.05 g/mol
  Other term(s): Hydroxycetate; 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 64-18-6 (formic acid)
  NPU16694
  P—Glycolaldehyde; subst.c. = ? mmol/l

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

Air(ambient)—
Glyphosate:
  substance concentration micromole/metre³
  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/m³

Drinking water—
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
  Drinking water—Glyphosate; subst.c. = ? nmol/l
Air (ambient) —
Heptachlor;
substance concentration
micromole/metre³
$M = 373.35 \text{ g/mol}$
Other term(s): $1H-1,4,5,6,7,8,8$-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/m³

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

Air (ambient) —
Hexachlorobenzene;
substance concentration
micromole/metre³
$M = 284.78 \text{ g/mol}$
Other term(s): HCB
Note(s): CAS 118-74-1
NPU16700
Air (amb) — Hexachlorobenzene; subst. c. = ? µmol/m³

Drinking water —
Hexachlorobenzene;
substance concentration
nanomole/litre
$M = 284.78 \text{ g/mol}$
Other term(s): HCB
Note(s): CAS 118-74-1
NPU16701
Drinking water — Hexachlorobenzene; subst. c. = ? nmol/l

Air (ambient) —
Hexachlorobutadiene;
substance concentration
micromole/metre³
$M = 260.76 \text{ g/mol}$
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/m³

Drinking water —
Hexachlorobutadiene;
substance concentration
nanomole/litre
$M = 260.76 \text{ g/mol}$
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
Drinking water — Hexachlorobutadiene; subst. c. = ? nmol/l

Air (ambient) —
$n$-Hexane;
substance concentration
millimole/metre³
$M = 86.18 \text{ g/mol}$
Other term(s): Hexyl hydride; Normalhexane
Note(s): CAS 110-54-3
NPU16706
Air (amb) — $n$-Hexane; subst. c. = ? mmol/m³

Drinking water —
$n$-Hexane;
substance concentration
nanomole/litre
$M = 272.75 \text{ g/mol}$
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/m³

Drinking water —
Hexachlorocyclopentadiene;
substance concentration
nanomole/litre
$M = 272.75 \text{ g/mol}$
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
Drinking water — Hexachlorocyclopentadiene; subst. c. = ? nmol/l

Air (ambient) —
n- Hexane;
substance concentration
millimole/metre³
$M = 86.18 \text{ g/mol}$
Other term(s): Hexyl hydride; Normalhexane
Note(s): CAS 110-54-3
NPU16706
Air (amb) — $n$-Hexane; subst. c. = ? mmol/m³
Drinking water—
n-
Hexane;
substance concentration
nanomole/litre
$M = 86.18 \text{ g/mol}$
Other term(s): Hexane; Hexyl hydride; Normalhexane
Note(s): CAS 110-54-3
NPU16707
Drinking water—$n$-Hexane; subst.c. = ? nmol/l

Air(ambient)—
Hydrazine;
substance concentration
micromole/metre³
$M = 32.06 \text{ g/mol}$
Other term(s): Diazane; Diamine; Hydrazine base
Note(s): CAS 302-01-2
NPU16708
Air(amb)—Hydrazine; subst.c. = ? µmol/m³

Air(ambient)—
Hydrogen bromide
substance concentration
micromole/metre³
$M = 80.92 \text{ g/mol}$
Note(s): CAS 10035-10-6
NPU16709
Air(amb)—Hydrogen bromide; subst.c. = ? µmol/m³

Air(ambient)—
Hydrogen chloride
substance concentration
micromole/metre³
$M = 36.47 \text{ g/mol}$
Other term(s): Muriatic acid
Note(s): CAS 7647-01-0
NPU16710
Air(amb)—Hydrogen chloride; subst.c. = ? µmol/m³

Air(ambient)—
Hydrogen cyanide;
substance concentration
micromole/metre³
$M = 27.03 \text{ g/mol}$
Other term(s): Formonitrile; Hydrocyanic acid; Prussic acid
Note(s): CAS 74-90-8
NPU16711
Air(amb)—Hydrogen cyanide; subst.c. = ? µmol/m³

Air(ambient)—
Hydrogen fluoride;
substance concentration
micromole/metre³
$M = 20.01 \text{ g/mol}$
Note(s): CAS 7664-39-3
NPU16712
Air(amb)—Hydrogen fluoride; subst.c. = ? µmol/m³

Air(ambient)—
Hydrogen sulfide;
substance concentration
micromole/metre³
$M = 34.08 \text{ g/mol}$
Other term(s): Hydrosulfuric acid; Sewer gas; Sulfuretted hydrogen
Note(s): CAS 7783-06-4
NPU16713
Air(amb)—Hydrogen sulfide; subst.c. = ? µmol/m³

Drinking water—

Drinking water—

Air(ambient)—
Hydroquinone;
substance concentration
micromole/metre³
$M = 110.11 \text{ g/mol}$
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/m³

Drinking water—

Hydroquinone;
substance concentration
micromole/litre
$M = 110.11 \text{ g/mol}$
Other term(s): Benzene-1,4-diol; $p$-Benzenediol; 1,4-Benzenediol; Dihydroxybenzene; 1,4-Dihydroxybenzene; Quinol
Note(s): CAS 123-31-9
NPU16716
Drinking water—Hydroquinone; subst.c. = ? nmol/l
Urine—
Iodine:
  substance concentration
  micromole/litre
  $A = 126.90 \text{ g/mol}$
  Note(s): CAS 20461-54-5
  NPU04884
  U—Iodine; subst.c. ? µmol/l

Air(ambient)—
Iodine(total):
  substance concentration
  micromole/metre³
  $A = 126.90 \text{ g/mol}$
  Note(s): CAS 7553-56-2
  NPU16717
  Air(amb)—Iodine(total); subst.c. = ? µmol/m³

Air(ambient)—
Iodine:
  substance concentration
  micromole/metre³
  $M = 253.81 \text{ g/mol}$
  Note(s): CAS 7553-56-2
  NPU16718
  Air(amb)—Iodine(I₂); subst.c. = ? µmol/m³

Plasma—
Iron(III):
  substance concentration
  micromole/litre
  $A = 55.85 \text{ g/mol}$
  Note(s): CAS 7439-89-6 (element)
  NPU16917
  P—Iron(III); subst.c. = ? µmol/l

Urine—
Iron(III):
  substance concentration
  micromole/litre
  $A = 55.85 \text{ g/mol}$
  Note(s): CAS 7439-89-6 (element)
  NPU16944
  U—Iron(III); subst.c. = ? µmol/l

Air(ambient)—
Ferric oxide+Ferrous oxide:
  substance concentration
  micromole/metre³
  $M(\text{iron(III) oxide}) = 159.68 \text{ g/mol}$
  Note(s): CAS 1309-37-1 (ferric oxide)
  NPU16719
  Air(amb)—Ferric oxide+Ferrous oxide; subst.c. = ? µmol/m³

Air(ambient)—
Iron pentacarbonyl:
  substance concentration
  micromole/metre³
  $M = 195.90 \text{ g/mol}$
  Other term(s): Pentacarbonyliron
  Note(s): CAS 13463-40-6
  NPU16720
  Air(amb)—Iron pentacarbonyl; subst.c. = ? µmol/m³

Air(ambient)—
Iron(II+III):
  substance concentration (procedure)
  micromole/metre³
  $A = 55.85 \text{ g/mol}$
  Note(s): CAS 7439-89-6 (element)
  NPU16721
  Air(amb)—Iron(II+III); subst.c.(proc.) = ? µmol/m³

Drinking water—
Iron(II+III):
  substance concentration (procedure)
  micromole/litre
  $A = 55.85 \text{ g/mol}$
  Note(s): CAS 7439-89-6 (element)
  NPU16722
  Drinking water—Iron(II+III); subst.c.(proc.) = ? µmol/l

Drinking water—
Isobenzan:
  substance concentration
  micromole/litre
  $M = 411.75 \text{ g/mol}$
  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
  Drinking water—Isobenzan; subst.c. = ? µmol/l

Air(ambient)—
Isophorone:
  substance concentration
  micromole/metre³
  $M = 138.21 \text{ g/mol}$
  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/m³
Drinking water—
Isophorone:
  substance concentration
  micromole/litre
  \( M = 138.21 \text{ g/mol} \)
  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
  Drinking water—Isophorone; subst.c. = ? µmol/l

Blood—
Lead(II):
  substance concentration
  micromole/litre
  \( A = 207.20 \text{ g/mol} \)
  Note(s): CAS 7439-92-1 (element)
  NPU16918
  B—Lead(II); subst.c. = ? µmol/l

Cells(Blood)—
Lead(II):
  substance content
  micromole/kilogram
  \( A = 207.20 \text{ g/mol} \)
  Note(s): CAS 7439-92-1 (element)
  NPU16919
  Cells(B)—Lead(II); subst.cont. = ? µmol/kg

Plasma—
Lead(II):
  substance concentration
  micromole/litre
  \( A = 207.20 \text{ g/mol} \)
  Note(s): CAS 7439-92-1 (element)
  NPU16950
  P—Lead(II); subst.c. = ? µmol/l

Urine—
Lead(II):
  substance concentration
  micromole/litre
  \( A = 207.20 \text{ g/mol} \)
  Note(s): CAS 7439-92-1 (element)
  NPU16920
  U—Lead(II); subst.c. = ? µmol/l

Drinking water—
Lead(II);
  substance concentration
  nanomole/litre
  \( A = 207.20 \text{ g/mol} \)
  Note(s): CAS 7439-92-1 (element)
  NPU16726
  Drinking water—Lead(II); subst.c. = ? nmol/l

Air(ambient)—
Lead(0+II+IV);
  substance concentration
  micromole/metre³
  \( A = 207.20 \text{ g/mol} \)
  Note(s): CAS 7439-92-1 (element)
  NPU16727
  Air(amb)—Lead(0+II+IV); subst.c. = ? µmol/m³

Air(ambient)—
Lindane;
  substance concentration
  micromole/metre³
  \( M = 290.85 \text{ g/mol} \)
  Other term(s): 1,2,3,4,5,6-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)—Lindane; subst.c. = ? µmol/m³

Drinking water—
Lindane;
  substance concentration
  nanomole/litre
  \( M = 290.85 \text{ g/mol} \)
  Other term(s): 1,2,3,4,5,6-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
  Drinking water—Lindane; subst.c. = ? nmol/l

Air(ambient)—
Lithium hydride;
  substance concentration
  micromole/metre³
  \( M = 7.95 \text{ g/mol} \)
  Note(s): CAS 7580-67-8
  NPU16730
  Air(amb)—Lithium hydride; subst.cont. = ? µmol/m³
Plasma—
Lithium ion;
substance concentration
millimole/litre
\[ A = 6.94 \text{ g/mol} \]
Note(s): CAS 7459-93-2 (element)
NPU02613
P—Lithium ion; subst.c. = ? mmol/l

Urine—
Lithium ion;
substance concentration
millimole/litre
\[ A = 6.94 \text{ g/mol} \]
Note(s): CAS 7459-93-2 (element)
NPU04888
U—Lithium ion; subst.c. = ? mmol/l

Air(ambient)—
Magnesium carbonate;
substance concentration
micromole/metre³
\[ M = 84.31 \text{ g/mol} \]
Other term(s): Magnesite; Carbonic acid, magnesium salt
Note(s): CAS 546-93-0
NPU16731
Air(amb)—Magnesium carbonate; subst.c. = ? µmol/m³

Plasma—
Magnesium(II);
substance concentration
millimole/litre
\[ A = 24.31 \text{ g/mol} \]
Note(s): CAS 7439-95-4 (element)
NPU02647
P—Magnesium(II); subst.c. = ? mmol/l

Urine—
Magnesium(II);
substance concentration
millimole/litre
\[ A = 24.31 \text{ g/mol} \]
Note(s): CAS 7439-95-4 (element)
NPU02648
U—Magnesium(II); subst.c. = ? mmol/l

Drinking water—
Magnesium(II);
substance concentration
nanomole/litre
\[ A = 54.94 \text{ g/mol} \]
Note(s): CAS 7439-96-5 (element)
NPU16921
B—Magnesium(II); subst.c. = ? nmol/l

Air(ambient)—
Magnesium oxide(fume);
substance concentration
micromole/metre³
\[ M = 40.30 \text{ g/mol} \]
Note(s): CAS 1309-48-4
NPU16733
Air(amb)—Magnesium oxide(fume); subst.c. = ? µmol/m³

Malathion;
substance concentration
micromole/metre³
\[ M = 330.36 \text{ g/mol} \]
Other term(s): S-1,2-bis(ethoxycarbonyl)ethyl-O,O-dimethyl phosphorodithioate; Diethyl [(dimethoxypipsonothioyl)thio]butanedioate
Authority: ISO
Note(s): CAS 121-75-5
NPU16734
Air(amb)—Malathion; subst.c. = ? µmol/m³

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

Blood—
Manganese(II);
substance concentration
nanomole/litre
\[ A = 54.94 \text{ g/mol} \]
Note(s): CAS 7439-96-5 (element)
NPU16921
B—Manganese(II); subst.c. = ? nmol/l

Cells(Blood)—
Manganese(II);
substance content
nanomole/kilogram
\[ A = 54.94 \text{ g/mol} \]
Note(s): CAS 7439-96-5 (element)
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)
NP16922
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)
NP16923
U—Manganese(II); subst.c. = ? nmol/l

Air(ambient)—
Manganese(II, III, IV, V, VI and VII) dust and fume;
substance concentration
micromole/metre³
$A = 54.94$ g/mol
Note(s): CAS 7439-96-5 (element)
NP16736
Air(amb)—Manganese((II, III, IV, V, VI and VII) dust and fume); subst.c. = ? µmol/m³

Drinking water—
Manganese(II, III, IV, V, VI and VII) dust and fume;
substance concentration
micromole/litre
$A = 54.94$ g/mol
Note(s): CAS 7439-96-5 (element)
NP16737
Drinking water—Manganese((II, III, IV, V, VI and VII) dust and fume); subst.c. = ? µmol/l

Air(ambient)—
Mercury(0+I+II; inorganic);
substance concentration
micromole/metre³
$A = 200.59$ g/mol
Note(s): CAS 7439-97-6 (element)
NP16740
Air(amb)—Mercury(0+I+II; inorganic); subst.c. = ? µmol/m³

Blood—
Mercury(0+II);
substance concentration
nanomole/litre
$A = 200.59$ g/mol
Note(s): CAS 7439-97-6 (element)
NP16741
B—Mercury(0+II); subst.c. = ? nmol/l

Cells(Blood)—
Mercury(0+II);
substance content
nanomole/kilogram
$A = 200.59$ g/mol
Note(s): CAS 7439-97-6 (element)
NP16952
Cells(B)—Mercury(0+II); subst.cont. = ? nmol/kg

Hair—
Mercury(0+II);
substance content
microgram/kilogram
$A = 200.59$ g/mol
Note(s): CAS 7439-97-6 (element)
NP16739
Hair—Mercury(0+II); subst.cont. = ? µg/kg

Plasma—
Mercury(0+II);
substance concentration
nanomole/litre
$A = 200.59$ g/mol
Note(s): CAS 7439-97-6 (element)
NP16925
P—Mercury(0+II); subst.c. = ? nmol/l

Urine—
Mercury(II);
substance concentration
nanomole/litre
$A = 200.59$ g/mol
Note(s): CAS 7439-97-6 (element)
NP16741
U—Mercury(II); subst.c. = ? nmol/l

Drinking water—
Mercury(I+II; inorganic);
substance concentration
nanomole/litre
$A = 200.59$ g/mol
Note(s): CAS 7439-97-6 (element)
NP16740
Drinking water—Mercury(I+II; inorganic); subst.c. = ? nmol/l

Air(ambient)—
Alkylmercury(II);
substance concentration
nanomole/metre³
$A = 200.59$ g/mol
Note(s): CAS 7439-97-6 (element)
NP16741
Air(amb)—Alkylmercury(II); subst.c. = ? nmol/m³
Drinking water

Alkylmercury(II);
substance concentration
nanomole/litre
\( A = 200.59 \text{ g/mol} \)
Note(s): CAS 7439-97-6 (element)
NPU16742
Drinking water — Alkylmercury(II); subst. c. = ? nmol/l

Air(ambient)—

Arylmercury(II);
substance concentration
nanomole/metre³
\( A = 200.59 \text{ g/mol} \)
Note(s): CAS 7439-97-6 (element)
NPU16743
Air(amb)— Arylmercury(II); subst. c. = ? nmol/m³

Drinking water

Arylmercury(II);
substance concentration
nanomole/litre
\( A = 200.59 \text{ g/mol} \)
Note(s): CAS 7439-97-6 (element)
NPU16744
Drinking water — Arylmercury(II); subst. c. = ? nmol/l

Plasma—

Methadone;
substance concentration
micromole/litre
\( M = 309.45 \text{ g/mol} \)
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—Methadone; subst. c. = ? µmol/l

Urine—

Methadone;
arbitrary concentration(procedure)
\( M = 309.45 \text{ g/mol} \)
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—Methadone; arb.c.(proc.) = ?

Haemoglobin(Fe; Blood)—

Methaemoglobin;
substance fraction
\( M = \text{about 64 500 g/mol (tetramer)} \)
Other term(s): Ferrihaemoglobin; Haemoglobin; Met Hb
Note(s): CAS 9008-37-1
NPU02725
Hb(Fe; B)—Methaemoglobin(Fe); subst.fr. = ?

Air(ambient)—

Methanol;
substance concentration
millimole/metre³
\( M = 32.04 \text{ g/mol} \)
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/m³

Blood—

Methanol;
substance concentration
millimole/litre
\( M = 32.04 \text{ g/mol} \)
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

Drinking water—

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

Air(ambient)—

Methomyl;
substance concentration
micromole/metre³
\( M = 162.21 \text{ g/mol} \)
Other term(s): S-Methyl (EZ)-N-[(methylcarbamoyloxy)thio]acetimidate; Insecticide 1179; Lannate; MethylO-(methylcarbamoyl)thiolacetoxyhydroxamate; Nudrin
Authority: ISO
Note(s): CAS 16752-77-5
NPU16751
Air(amb)—Methomyl; subst.c. = ? µmol/m³
Drinking water—

Methomyl;
substance concentration
nanomole/litre
\( M = 162.21 \text{ g/mol} \)
Other term(s): \textit{S-Methyl (EZ)-N-\{methylcarbamoyloxy\}thioacetimidate};
Insecticide 1179; Lannate; Methyl-O-(methylcarbamoyl)thiolacetoxyhydroxamate;
Nudrin
Authority: ISO
Note(s): CAS 16752-77-5
\textbf{NPU16752}
Drinking water—Methomyl; subst.c. = ? nmol/l

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

Drinking water—
Methyl bromide;
substance concentration
nanomole/litre
\( M = 94.95 \text{ g/mol} \)
Other term(s): Bromomethane; Monobromoethane
Note(s): CAS 74-83-9
\textbf{NPU16754}
Drinking water—Methyl bromide; subst.c. = ? nmol/l

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

Drinking water—
4-Methylpentan-2-one;
substance concentration
nanomole/litre
\( M = 100.16 \text{ g/mol} \)
Other term(s): Methyl isobutyl ketone; 4-Methyl-2-pentanone
Note(s): CAS 108-10-1
\textbf{NPU16756}
Drinking water—4-Methylpentan-2-one; subst.c. = ? nmol/l

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

Urine—
3.4-
Methylenedioxamfetamine;
arbitrary concentration(procedure)
\( M = 179.22 \text{ g/mol} \)
Other term(s): 1-Benzo[1,3]dioxol-5-ylpropan-2-amine; MDA
Authority: INN
Note(s): CAS 4764-17-4
\textbf{NPU04927}
U—3,4-Methylenedioxamfetamine; arb.c.(proc.) = ?

Urine—
3.4-
Methylenedioxethamfetamine;
arbitrary concentration(procedure)
\( M = 207.27 \text{ g/mol} \)
Other term(s): 1-Benzo[1,3]dioxol-5-yl-N-methylpropan-2-amine; MDE; MDEA
Authority: INN
Note(s): CAS 14089-52-2
\textbf{NPU08923}
U—3,4-Methylenedioxethylamfetamine; arb.c.(proc.) = ?

Blood—
Methylmercury chloride;
substance concentration
nanomole/litre
\( M = 251.08 \text{ g/mol} \)
Note(s): CAS 115-09-3
\textbf{NPU16758}
B—Methylmercury chloride; subst.c. = ? nmol/l
Cells (Blood) —
Methylmercury chloride;
substance content
nanomole/kilogram
\( M = 251.08 \text{ g/mol} \)
Note(s): CAS 115-09-3
NPU16759
Cells (B) — Methylmercury chloride; subst. cont. = ? nmol/kg

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

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

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

Air (ambient) —
2 —
Methylpropan-2-ol;
substance concentration
millimole/metre³
\( M = 74.12 \text{ g/mol} \)
Other term(s): tert-Butyl alcohol; Trimethyl carbinol
Note(s): CAS 75-65-0
NPU16765
Air (amb) — 2-Methylpropan-2-ol; subst. c. = ? mmol/m³

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

Drinking water —
Mirex;
substance concentration
nanomole/litre
\( M = 545.59 \text{ g/mol} \)
Other term(s):
Dodecachloropentacyclo[5.3.0.0²,6.0³,9.0⁴,8]decane;
Perchloropentacyclo[5.3.0.0²,6.0³,9.0⁴,8]decane; CG-1283; Dechlorane; ENT-0257 19; Hexachloropentadiene dimer
Authority: ISO
Note(s): CAS 2385-85-5
NPU16767
Drinking water — Mirex; subst. c. = ? nmol/l

Plasma —
Morphine;
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; subst. c. = ? µmol/l

Urine —
Morphine;
arbitrary concentration (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. (proc.) = ?
Urine—

Morphine;
  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; subst.c. = ? µmol/l

Urine—

Morphine+analogue(non-complexed);
  arbitrary concentration(procedure)
  Other term(s): Opiates
  Authority: INN
  Note(s): Analogue are Codeine; Diamorphine; Dihydrocodeine; Ethylmorphine; Hydrocodone; Hydromorphone; Levallorphan; Levorphanol; Nalorphine; Normorphine; Oxydode
  NPU08954
  U—Morphine+analogue(non-complexed); arb.c.(proc.) = ?

Urine—

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

Urine—

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

Air(ambient)—

Morpholine;
  substance concentration
  micromole/metre³
  $M$ = 87.12 g/mol
  Other term(s): Diethylenimide oxide; Diethylene imidoxide; Diethylene oximide; 1-Oxa-4-azacyclohexane; Tetrahydro-2H-1,4-oxazine; Tetrahydro-1,4-oxazine
  Authority: INN
  Note(s): CAS 110-91-8
  NPU16768
  Air(amb)—Morpholine; subst.c. = ? µmol/m³

Drinking water—

Morpholine;
  substance concentration
  nanomole/litre
  $A$ = 58.69 g/mol
  Other term(s): Diethylenimide oxide; Diethylene imidoxide; Diethylene oximide; 1-Oxa-4-azacyclohexane; Tetrahydro-2H-1,4-oxazine; Tetrahydro-1,4-oxazine
  Authority: INN
  Note(s): CAS 7440-02-0 (element)
  NPU16927
  P—Nickel(II); subst.c. = ? nmol/l

Plasma—

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

Air(ambient)—

Nickel(0+II+III; Dust+Fume);
  substance concentration
  micromole/metre³
  $A$ = 58.69 g/mol
  Note(s): CAS 7440-02-0 (element)
  NPU16770
  Air(amb)—Nickel(0+II+III; Dust+Fume); subst.c. = ? µmol/m³
Drinking water—

Nickel(II+III);
substance concentration
micromole/litre
$A = 58.69 \text{ g/mol}$
Note(s): CAS 7440-02-0 (element)
NPU16771
Drinking water—Nickel(II+III); subst.c. = ? µmol/l

Air(ambient)—

Tetracarbonylnickel;
substance concentration
nanomole/metre³
$M = 170.74 \text{ g/mol}$
Other term(s): Nickel carbonyl
Note(s): CAS 13463-39-3
NPU16772
Air(amb)—Tetracarbonylnickel; subst.c. = ? nmol/m³

Air(ambient)—

Nicotine;
substance concentration
micromole/metre³
$M = 162.23 \text{ g/mol}$
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/m³

Urine—

Nicotine;
arbitrary concentration(procedure)
$M = 162.23 \text{ g/mol}$
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.(proc.) = ?

Drinking water—

Nicotine;
substance concentration
nanomole/litre
$M = 162.23 \text{ g/mol}$
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
Drinking water—Nicotine; subst.c. = ? nmol/l

Drinking water—

Nitrate;
substance concentration
micromole/litre
$M = 62.01 \text{ g/mol}$
Note(s): CAS 7697-37-2 (nitric acid)
NPU16775
Drinking water—Nitrate; subst.c. = ? µmol/l

Nitric oxide;
substance concentration
millimole/metre³
$M = 30.01 \text{ g/mol}$
Other term(s): Mononitrogen monoxide; Nitrogen monoxide
Note(s): CAS 10102-43-9
NPU16776
Air(amb)—Nitric oxide; subst.c. = ? mmol/m³

Nitrite;
substance concentration
micromole/litre
$M = 45.01 \text{ g/mol}$
Note(s): CAS 7782-77-6 (nitrous acid)
NPU16777
Drinking water—Nitrite; subst.c. = ? µmol/l

Nitrogen dioxide;
substance concentration
micromole/litre
$M = 46.01 \text{ g/mol}$
Other term(s): Dinitrogen tetroxide; Nitrogen peroxide
Note(s): CAS 10102-44-0
NPU16778
Air(amb)—Nitrogen dioxide; subst.c. = ? µmol/l

Nitropropane;
substance concentration
millimole/metre³
$M = 89.09 \text{ g/mol}$
Other term(s): Nitropropane; 1-NP
Note(s): CAS 108-03-2
NPU16779
Air(amb)—1-Nitropropane; subst.c. = ? mmol/m³
Drinking water—
1-
Nitropropane;  
  substance concentration  
nanomole/litre  
  $M = 89.09 \text{ g/mol}$  
  Other term(s): Nitropropane; 1-NP  
  Note(s): CAS 108-03-2  
  NPU16780  
  Drinking water—1-Nitropropane; subst.c. = ? nmol/l

Air(amb)—
2-
Nitropropane;  
  substance concentration  
millimole/metre³  
  $M = 89.09 \text{ g/mol}$  
  Other term(s): Dimethylnitromethane; iso-Nitropropane; 2-NP  
  Note(s): CAS 79-46-9  
  NPU16781  
  Air(amb)—2-Nitropropane; subst.c. = ? mmol/m³

Drinking water—
2-
Nitropropane;  
  substance concentration  
nanomole/litre  
  $M = 89.09 \text{ g/mol}$  
  Other term(s): Dimethylnitromethane; iso-Nitropropane; 2-NP  
  Note(s): CAS 79-46-9  
  NPU16782  
  Drinking water—2-Nitropropane; subst.c. = ? nmol/l

Air(amb)—
Nitrous oxide;  
  substance concentration  
millimole/metre³  
  $M = 44.01 \text{ g/mol}$  
  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/m³

Air(amb)—
Oxalate;  
  substance concentration  
micromole/metre³  
  $M = 88.04 \text{ g/mol}$  
  Other term(s): Ethanedioate  
  Note(s): CAS 144-62-7 (oxalic acid)  
  NPU16784  
  Air(amb)—Oxalate; subst.c. = ? µmol/m³

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

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

Drinking water
Oxalate;  
  substance concentration  
nanomole/litre  
  $M = 88.04 \text{ g/mol}$  
  Other term(s): Ethanedioate  
  Note(s): CAS 144-62-7 (oxalic acid)  
  NPU16787  
  Drinking water—Oxalate; subst.c. = ? nmol/l

Air(amb)—
Ozone;  
  substance concentration  
micromole/metre³  
  $M = 48.00 \text{ g/mol}$  
  Other term(s): Trioxyn; Triatomic oxygen  
  Note(s): CAS 10028-15-6  
  NPU16788  
  Air(amb)—Ozone; subst.c. = ? µmol/m³
Plasma—

**Paracetamol;**

**substance concentration**

millimole/litre

\[ M = 151.17 \text{ g/mol} \]

Other term(s): \( N(4\text{-Hydroxyphenyl})\text{acetamide} \); Abensanil; Acamol; Acetalgin; \( p \)-Acetamidophenol; Acetaminophen; \( p \)-Acetaminophenol; \( N \)-Acetyl-aminophenol; \( p \)-Acetylaminophenol; Aljiny; Amadiil; Anaflon; Anhiba; Apamide; APAP; Ben-u-ron; Bickie-mol; Calpol; Captin; Celadoil; Claratol; Dafalgan; Datril; Dirox; Disprol; Doliprane; Dolprone; Dymadon; Enelfa; Eneril; Eu-med; Exdol; Febrilex; Finimal; Gelocatil; Hedex; Homoolan; \( p \)-Hydroxyacetaanilide; Korum; Momentum; Naprinol; Nobedon; Ortensan; Pacemol; Paldesic; Panadol; Panaleve; Panasorb; Panets; Panex; Panodil; Paraspren; Parelran; Parmol; Tralgon; Tylenol; Valadol

Authority: INN

Note(s): CAS 103-90-2

NPU16789

P—Paracetamol; subst.c. = mmol/l

Urine—

**Paraquat;**

**substance concentration**

arbitrary concentration (procedure)

\[ M = 186.00 \text{ g/mol} \]

Other term(s): \( 1,1'\text{-Dimethyl-4,4'-bipyridinium dichloride} \); \( N,N'\text{-Dimethyl-4,4'-bipyridinium dichloride} \); \( \text{Methylviologen dichloride hydrate} \); Paraquat chloride; Paraquat dichloride

Authority: ISO

Note(s): CAS 1910-42-5

NPU16790

U—Paraquat; arb.c.(proc.) = ?

Air(ambient)—

**Paraquat;**

**substance concentration**

micromole/metre³

\[ M = 186.00 \text{ g/mol} \]

Other term(s): \( 1,1'\text{-Dimethyl-4,4'-bipyridinium dichloride} \); \( N,N'\text{-Dimethyl-4,4'-bipyridinium dichloride} \); \( \text{Methylviologen dichloride hydrate} \); Paraquat chloride; Paraquat dichloride

Authority: ISO

Note(s): CAS 1910-42-5

NPU16791

Air(amb)—Paraquat; subst.c. = ? µmol/m³

Drinking water—

**Paraquat;**

**substance concentration**

nanomole/litre

\[ M = 186.00 \text{ g/mol} \]

Other term(s): \( 1,1'\text{-Dimethyl-4,4'-bipyridinium dichloride} \); \( N,N'\text{-Dimethyl-4,4'-bipyridinium dichloride} \); \( \text{Methylviologen dichloride hydrate} \); Paraquat chloride; Paraquat dichloride

Authority: ISO

Note(s): CAS 1910-42-5

NPU16792

Drinking water—Paraquat; subst.c. = ? nmol/l

Air(ambient)—

**Parathion;**

**substance concentration**

micromole/metre³

\[ M = 291.27 \text{ g/mol} \]

Other term(s): \( O,O\text{-Diethyl O-(4-nitrophenyl) phosphorothioate} \); Diethyl parathion; Ethyl parathion; Parathion-ethyl

Authority: ISO

Note(s): CAS 56-38-2

NPU16793

Air(amb)—Parathion; subst.c. = ? µmol/m³

Drinking water—

**Parathion;**

**substance concentration**

nanomole/litre

\[ M = 291.27 \text{ g/mol} \]

Other term(s): \( O,O\text{-Diethyl O-(4-nitrophenyl) phosphorothioate} \); Diethyl parathion; Ethyl parathion; Parathion-ethyl

Authority: ISO

Note(s): CAS 56-38-2

NPU16794

Drinking water—Parathion; subst.c. = ? nmol/l

Air(ambient)—

**Methylparathion;**

**substance concentration**

micromole/metre³

\[ M = 263.23 \text{ g/mol} \]

Other term(s): \( O,O\text{-Dimethyl O-(4-nitrophenyl) phosphorothioate} \); Azophos; Parathion-methyl

Authority: ISO

Note(s): CAS 298-00-0

NPU16763

Air(amb)—Methylparathion; subst.c. = ? µmol/m³
Drinking water—
Methylparathion;
substance concentration
nanomole/litre
\[ M = 263.23 \text{ g/mol} \]
Other term(s): O, O-Dimethyl O-(4-nitrophenyl) phosphorothioate; Azophos;
Parathion-methyl
Authority: ISO
Note(s): CAS 298-00-0
NPU16764
Drinking water—Methylparathion; subst.c. = ? nmol/l

Air(ambient)—
Particulate matter(aerodynamic diameter < 10 µm; specification)
mass concentration(procedure)
milligram/metre³
Other term(s): “Inert” dust; Nuisance dust; PM10; PNOR
Authority: ACGIH
NPU16795
Air(amb)—Particulate matter(aerodyn. diam. < 10 µm; spec.); mass c.(proc.) = ? mg/m³

Air(ambient)—
Particulate matter(aerodynamic diameter < 2.5 µm; specification)
mass concentration(procedure)
milligram/metre³
Other term(s): “Inert” dust; Nuisance dust; PM2.5; PNOR
Authority: ACGIH
NPU16796
Air(amb)—Particulate matter(aerodyn. diam. < 2.5 µm; spec.); mass c.(proc.) = ? mg/m³

Air(ambient)—
Particulate matter(aerodynamic diameter < 0.1 µm; specification)
mass concentration(procedure)
milligram/metre³
Other term(s): Ultrafine dust
Authority: ACGIH
NPU16797
Air(amb)—Particulate matter(aerodyn. diam. < 0.1 µm; spec.); mass c.(proc.) = ? mg/m³

Air(ambient)—
Pentachlorophenol;
substance concentration
micromole/metre³
\[ M = 266.34 \text{ g/mol} \]
Other term(s): PCP; Penta; 2,3,4,5,6-Pentachlorophenol
Note(s): CAS 87-86-5
NPU16798
Air(amb)—Pentachlorophenol; subst.c. = ? µmol/m³

Drinking water—
Pentachlorophenol;
substance concentration
nanomole/litre
\[ M = 266.34 \text{ g/mol} \]
Other term(s): PCP; Penta; 2,3,4,5,6-Pentachlorophenol
Note(s): CAS 87-86-5
NPU16799
Drinking water—Pentachlorophenol; subst.c. = ? nmol/l

Drinking water—
Permethrin;
substance concentration
nanomole/litre
\[ M = 391.29 \text{ g/mol} \]
Other term(s): 3-Phenoxybenzyl(1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-
dimethylcyclopropanecarboxylate; 3-Phenoxybenzyl (1RS-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
Drinking water—Permethrin; subst.c. = ? nmol/l

Air(ambient)—
Phenol;
substance concentration
micromole/metre³
\[ M = 94.11 \text{ g/mol} \]
Other term(s): Benzenol; Carbolic acid; Hydroxybenzene; Monohydroxybenzene;
Phenic acid; Phenyl alcohol; Phenyl hydroxide; phenyllic acid
Note(s): CAS 108-95-2
NPU16801
Air(amb)—Phenol; subst.c. = ? µmol/m³

Drinking water—
Phenol;
substance concentration
nanomole/litre
\[ M = 94.11 \text{ g/mol} \]
Other term(s): Benzenol; Carbolic acid; Hydroxybenzene; Monohydroxybenzene;
Phenic acid; Phenyl alcohol; Phenyl hydroxide; Phenyllic acid
Note(s): CAS 108-95-2
NPU16802
Drinking water—Phenol; subst.c. = ? nmol/l
Urine—
Phenothiazines;
 arbitrary concentration(procedure)
M(Phenothiazine) = 199.28 g/mol
Other term(s): Forrest reactive compounds
Authority: INN
Note(s): CAS 92-84-2 (phenothiazine); Examples are Fluphenazin;
Levomepromazin; Perazin; Perphenazin; Thoridiazin
NPU16803
U—Phenothiazines; arb.c.(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/metre³
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/m³

Air(ambient)—
Phosphane;
 substance concentration
micromole/metre³
M = 34.00 g/mol
Other term(s): Hydrogen phosphate; Phosphate; Phosphorated hydrogen;
Phosphorus hydride; Phosphorus trihydride; Trihydridophosphorus
Note(s): CAS 7803-51-2
NPU16806
Air(amb)—Phosphane; subst.c. = ? µmol/m³

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

Air(ambient)—
Polychlorinated biphenyls;
 substance concentration
nanomole/metre³
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/m³

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(spec.)—Polychlorinated biphenyls; subst.cont. = ? nmol/kg

Drinking water—
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
Drinking water—Polychlorinated biphenyls;
 subst.c. = ? nmol/l

Air(ambient)—
1-
Propanol;
 substance concentration
millimole/metre³
M = 60.09 g/mol
Other term(s): Ethyl carbinal; n-Propanol; n-Propyl
alcohol; Propyl alcohol
Note(s): CAS 71-23-8
NPU16811
Air(amb)—1-Propanol; subst.c. = ? mmol/m³
Drinking water—

Propanol;

1-

substance concentration
nanomole/litre
\( M = 60.09 \text{ g/mol} \)
Other term(s): Ethyl carbinol; \( n \)-Propanol; \( n \)-Propyl alcohol; Propyl alcohol
Note(s): CAS 71-23-8
NPU16812
Drinking water—1-Propanol; subst.c. = ? nmol/l

Air(ambient)—

2-

Propanol;

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

Drinking water—

2-

Propanol;

substance concentration
nanomole/litre
\( M = 60.09 \text{ g/mol} \)
Other term(s): Dimethyl carbinol; IPA; Isopropanol; Isopropyl alcohol; sec-Propyl alcohol; Rubbing alcohol
Note(s): CAS 67-63-0
NPU16814
Drinking water—2-Propanol; subst.c. = ? nmol/l

Plasma—

Propoxyphene;

substance concentration
millimole/litre
\( M = 339.48 \text{ g/mol} \)
Other term(s): (+)-(2S,3R)-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
\( M = 339.48 \text{ g/mol} \)
Other term(s): (+)-(2S,3R)-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/metre\(^3\)
\( M = 58.08 \text{ g/mol} \)
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\(^3\)

Drinking water—

Propylene oxide;

substance concentration
nanomole/litre
\( M = 58.08 \text{ g/mol} \)
Other term(s): 2-Methyloxirane; Methyl ethylene oxide; Methyloxirane; Propene oxide; 1,2-Propylene oxide
Note(s): CAS 75-56-9
NPU16816
Drinking water—Propylene oxide; subst.c. = ? nmol/l

Plasma—

Salicylate;

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

Sarin;

substance concentration
picomole/metre³
$M = 140.09$ 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/m³

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-[(aminocarbonyloxy)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(spec.)—Saxitoxin; subst.cont. = ? nmol/kg

Air(ambient)—

Selenium(IV+VI);

substance concentration
nanomole/metre³
$A = 78.96$ g/mol
Note(s): CAS 7782-49-2 (element)
NPU16820
Air(amb)—Selenium(IV+VI); subst.c. = ? nmol/m³

Blood—

Selenium(IV+VI);

substance concentration
micromole/litre
$A = 78.96$ g/mol
Note(s): CAS 7782-49-2 (element)
NPU16843
Blood—Selenium(IV+VI); subst.c. = ? µmol/l

Cells(Blood)—

Selenium(IV+VI);

substance content
micromole/kilogram
$A = 78.96$ g/mol
Note(s): CAS 7782-49-2 (element)
NPU16829
Cells(B)—Selenium(IV+VI); subst.cont. = ? µmol/kg

Hair—

Selenium(IV+VI);

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

Plasma—

Selenium(IV+VI);

substance concentration
micromole/litre
$A = 78.96$ g/mol
Note(s): CAS 7782-49-2 (element)
NPU16945
Plasma—Selenium(IV+VI); subst.c. = ? µmol/l

Urine—

Selenium(IV+VI);

substance concentration
micromole/litre
$A = 78.96$ g/mol
Note(s): CAS 7782-49-2 (element)
NPU16930
U—Selenium(IV+VI); subst.c. = ? µmol/l

Drinking water—

Selenium(IV+VI);

substance concentration
micromole/litre
$A = 78.96$ g/mol
Note(s): CAS 7782-49-2 (element)
NPU16821
Drinking water—Selenium(IV+VI); subst.c. = ? nmol/l

Air(ambient)—

Silicon dioxide;

mass concentration(procedure)
microgram/metre³
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)—Silicon dioxide; mass c.(proc.) = ? µg/m³

Air(ambient)—

Silver(0+I+II);

substance concentration
nanomole/metre³
$A = 107.87$ g/mol
Note(s): CAS 7440-22-4 (element)
NPU16823
Air(amb)—Silver(0+I+II); subst.c. = ? nmol/m³
**Blood**

Silver(I+II);
substance concentration
nanomole/litre
\( A = 107.87 \text{ g/mol} \)
Note(s): CAS 7440-22-4 (element)
NPU16941
B—Silver(I+II); subst.c. = ? nmol/l

**Plasma**

Silver(I+II);
substance concentration
nanomole/litre
\( A = 107.87 \text{ g/mol} \)
Note(s): CAS 7440-22-4 (element)
NPU16931
P—Silver(I+II); subst.c. = ? nmol/l

**Urine**

Silver(I+II);
substance concentration
nanomole/litre
\( A = 107.87 \text{ g/mol} \)
Note(s): CAS 7440-22-4 (element)
NPU16942
U—Silver(I+II); subst.c. = ? nmol/l

**Drinking water**

Silver(I+II);
substance concentration
nanomole/litre
\( A = 107.87 \text{ g/mol} \)
Note(s): CAS 7440-22-4 (element)
NPU16824
Drinking water—Silver(I+II); subst.c. = ? nmol/l

**Cells(Blood)**

Strontium(II);
substance content
nanomole/kilogram
\( A = 87.62 \text{ g/mol} \)
Note(s): CAS 7440-24-6 (element)
NPU16954
Cells(B)—Strontium(II); subst.cont. = ? nmol/kg

**Plasma**

Strontium(II);
substance concentration
nanomole/litre
\( A = 87.62 \text{ g/mol} \)
Note(s): CAS 7440-24-6 (element)
NPU16932
P—Strontium(II); subst.c. = ? nmol/l

**Air(ambient)**

Strychnine;
substance concentration
nanomole/metre³
\( M = 334.42 \text{ g/mol} \)
Other term(s): Strychnidin-10-one
Authority: INN
Note(s): CAS 57-24-9
NPU16827
Air(amb)—Strychnine; subst.c. = ? nmol/m³

**Urine**

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

**Urine**

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

**Drinking water**

Strychnine;
substance concentration
micromole/litre
\( M = 334.42 \text{ g/mol} \)
Other term(s): Strychnidin-10-one
Authority: INN
Note(s): CAS 57-24-9
NPU16828
Drinking water—Strychnine; subst.c. = ? µmol/l

**Air(ambient)**

Styrene;
substance concentration
micromole/metre³
\( M = 104.15 \text{ g/mol} \)
Other term(s): Ethylbenzene; Cinnamene; Cinnamol; Phenylethylene; Styrene monomer;Styrol; Styrolene; Vinylbenzene
Note(s): CAS 100-42-5
NPU16829
Air(amb)—Styrene; subst.c. = ? µmol/m³
Drinking water—

Styrene;
 substance concentration
 nanomole/litre
 $M = 104.15 \text{ g/mol}$
 Other term(s): Ethynylbenzene; Cinnamene; Cinnamol; Phenylethylene; Styrene monomer; Styrol; Styroline; Vinlylene
 Note(s): CAS 100-42-5
 NPU16830
 Drinking water—Styrene; subst.c. = ? nmol/l

Air(ambient)—
Sulfur dioxide;
 substance concentration
 micromole/metre³
 $M = 64.07 \text{ g/mol}$
 Note(s): CAS 7446-09-6
 NPU16831
 Air(amb)—Sulfur dioxide; subst.c. = ? µmol/m³

Air(ambient)—
Tecnazene;
 substance concentration
 nanomole/metre³
 $M = 260.88 \text{ g/mol}$
 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/m³

Drinking water—

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

Air(ambient)—

Tetrachlorodibenz(b,e)(1,4)dioxin;
 substance concentration
 micromole/metre³
 $M = 321.97 \text{ g/mol}$
 Other term(s): 2,3,7,8-Tetrachlorooxanthrene; 2,3,7,8-Tetrachlorodibenzofuran; 2,3,7,8-Tetrachlorodibenzo-p-dioxin; 2,3,7,8-Tetrachlorodibenzo(1,2,3-cd)pyrene
 Note(s): CAS 1746-01-6
 NPU16834
 Air(amb)—Tetrachlorodibenz(b,e)(1,4)dioxin; subst.c. = ? µmol/m³

Food(specification)—

1,1,2,2-Tetrachloroethylene;
 substance content
 millimole/litre
 $M = 165.83 \text{ g/mol}$
 Other term(s): Tetrachloroethylene; Perchloroethylene; Perchloroethylene; Perk; Tetrachlorethylene
 Note(s): CAS 127-18-4
 NPU16835
 Food(spec.)—1,1,2,2-Tetrachloroethylene; subst.cont. = ? µmol/kg

Drinking water—

Tetrachlorodibenz(b,e)(1,4)dioxin;
 substance concentration
 nanomole/litre
 $M = 321.97 \text{ g/mol}$
 Other term(s): 2,3,7,8-Tetrachlorooxanthrene; 2,3,7,8-Tetrachlorodibenzofuran; 2,3,7,8-Tetrachlorodibenzo-p-dioxin; 2,3,7,8-Tetrachlorodibenzo(1,2,3-cd)pyrene
 Note(s): CAS 1746-01-6
 NPU16836
 Drinking water—Tetrachlorodibenz(b,e)(1,4)dioxin; subst.c. = ? nmol/l

Air(ambient)—

Tetrachloroethylene;
 substance concentration
 nanomole/litre
 $M = 165.83 \text{ g/mol}$
 Other term(s): Tetrachloroethylene; Perchloroethylene; Perchloroethylene; Perk; Tetrachlorethylene
 Note(s): CAS 127-18-4
 NPU16837
 Air(amb)—Tetrachloroethylene; subst.c. = ? nmol/l

Drinking water—

1,1,2,2-Tetrachloroethylene;
 substance concentration
 nanomole/litre
 $M = 165.83 \text{ g/mol}$
 Other term(s): Tetrachloroethylene; Perchloroethylene; Perchloroethylene; Perk; Tetrachlorethylene
 Note(s): CAS 127-18-4
 NPU16838
 Drinking water—1,1,2,2-Tetrachloroethylene; subst.c. = ? nmol/l
Air(ambient)—
Tetraethyl lead:
substance concentration
nanomole/metre³
\( M = 323.45 \text{ g/mol} \)
Other term(s): Tetraethylplumbane; Lead tetraethyl; TEL
Note(s): CAS 78-00-2
NPU16839
Air(amb)—Tetraethyl lead; subst.c. = ? nmol/m³
Drinking water—
Tetraethyl lead:
substance concentration
nanomole/litre
\( M = 323.45 \text{ g/mol} \)
Other term(s): Tetraethylplumbane; Lead tetraethyl; TEL
Note(s): CAS 78-00-2
NPU16840
Drinking water—Tetraethyl lead; subst.c. = ? nmol/l

Urine—
\( \Delta^6 \)-Tetrahydrocannabinol;
arbitary concentration(procedure)
\( M = 314.47 \text{ g/mol} \)
Authority: INN
Note(s): CAS 5957-75-5; Minor (mass fraction less than 0.01) active constituent in Marihuana (Hashish)
NPU09000
U—\( \Delta^6 \)-Tetrahydrocannabinol; arb.c.(proc.) = ?
Urine—
\( \Delta^9 \)-Tetrahydrocannabinol;
arbitary concentration(procedure)
\( M = 314.47 \text{ g/mol} \)
Other term(s): Delta-1-tetrahydrocannabinol; Dronabinol
Authority: INN
Note(s): CAS 1972-08-3; Major active constituent in Marihuana (Hashish)
NPU08997
U—\( \Delta^9 \)-Tetrahydrocannabinol; arb.c.(proc.) = ?

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

Food(specification)—
Tetrodotoxin:
substance content
micromole/kilogram
\( M = 319.27 \text{ g/mol} \)
Other term(s): \([4R-(4a,4a,5a,7a,9a,10a,10aa,12S*,12S*)]-Octahydro-12-(hydroxymethyl)-2-imino-5,9:7,10adimethano-10aH-1,3]dioxocino6,5-dpyrimidine-4,7,10,11,12-pentol; Fugu poison; Maculotoxin; Spheroidine; Tarichatoxin; Tetrodotoxin; TTX
Note(s): CAS 4368-28-9
NPU16841
Food(spec.)—Tetrodotoxin; subst.cont. = ? µmol/kg

Air(ambient)—
Thallium(0+I+III);
substance concentration
nanomole/metre³
\( A = 204.38 \text{ g/mol} \)
Note(s): CAS 7440-28-0 (element)
NPU16889
Air(amb)—Thallium(I+III); subst.c. = ? nmol/m³
Blood—
Thallium(I+III);
substance concentration
nanomole/litre
\( A = 204.38 \text{ g/mol} \)
Note(s): CAS 7440-28-0 (element)
NPU16933
B—Thallium(I+III); subst.c. = ? nmol/l
Hair—
Thallium(I+III);
substance content
micromole/kilogram
\( A = 204.38 \text{ g/mol} \)
Note(s): CAS 7440-28-0 (element)
NPU16842
Hair—Thallium(I+III); subst.cont. = ? mmol/kg
Urine—
Thallium(I+III);
substance concentration
nanomole/litre
\( A = 204.38 \text{ g/mol} \)
Note(s): CAS 7440-28-0 (element)
NPU16934
U—Thallium(I+III); subst.c. = ? nmol/l
Air(ambient)—

Tin(II+IV);
substance concentration
nanomole/metre³
\( A = 118.71 \text{ g/mol} \)
Note(s): CAS 7440-31-5 (element)
NPU16843
Air(amb)—Tin(II+IV); subst.c. = ? nmol/m³

Plasma—

Tin(II+IV);
substance concentration
nanomole/litre
\( A = 118.71 \text{ g/mol} \)
Note(s): CAS 7440-31-5 (element)
NPU16835
P—Tin(II+IV); subst.c. = ? nmol/l

Air(ambient)—

Toluene;
substance concentration
millimole/metre³
\( M = 92.14 \text{ g/mol} \)
Other term(s): Methylbenzene; Methylbenzol; Phenylmethane; Toluol
Note(s): CAS 108-88-3
NPU16844
Air(amb)—Toluene; subst.c. = ? mmol/m³

Drinking water—

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

Air(ambient)—

Toluene 2,4-diisocyanate;
substance concentration
micromole/metre³
\( M = 174.16 \text{ g/mol} \)
Other term(s): 4-Methylbenzene-1,3-diyldiisocyanate; 4-Methyl-1,3-phenylenediisocyanate; 2,4-Diisocyanatotoluene; 2,4-Diisocyanato-1-methylbenzene; TDI; 2,4-TDI; 2,4-Toluene diisocyanate
Note(s): CAS 584-84-9
NPU16848
Air(amb)—Toluene 2,4-diisocyanate; subst.c. = ? µmol/m³

Drinking water—

Toluene 2,4-diisocyanate;
substance concentration
nanomole/litre
\( M = 174.16 \text{ g/mol} \)
Other term(s): 4-Methylbenzene-1,3-diyldiisocyanate; 4-Methyl-1,3-phenylenediisocyanate; 2,4-Diisocyanatotoluene; 2,4-Diisocyanato-1-methylbenzene; TDI; 2,4-TDI; 2,4-Toluene diisocyanate
Note(s): CAS 91-08-7
NPU16849
Drinking water—Toluene 2,4-diisocyanate; subst.c. = ? nmol/l

Air(ambient)—

Toluene 2,6-diisocyanate;
substance concentration
micromole/metre³
\( M = 174.16 \text{ g/mol} \)
Other term(s): 2-Methylbenzene-1,3-diyl diisocyanate; 2-Methyl-1,3-phenylenediisocyanate; 2,6-Diisocyanatotoluene; 2,6-Diisocyanato-1-methylbenzene; TDI; 2,6-TDI; 2,6-Toluene diisocyanate
Note(s): CAS 91-08-7
NPU16850
Air(amb)—Toluene 2,6-diisocyanate; subst.c. = ? µmol/m³

Drinking water—

Toluene 2,6-diisocyanate;
substance concentration
nanomole/litre
\( M = 174.16 \text{ g/mol} \)
Other term(s): 2-Methylbenzene-1,3-diyl diisocyanate; 2-Methyl-1,3-phenylenediisocyanate; 2,6-Diisocyanatotoluene; 2,6-Diisocyanato-1-methylbenzene; TDI; 2,6-TDI; 2,6-Toluene diisocyanate
Note(s): CAS 91-08-7
NPU16851
Drinking water—Toluene 2,6-diisocyanate; subst.c. = ? nmol/l

Air(ambient)—

Tributyl phosphate;
substance concentration
micromole/metre³
\( M = 266.32 \text{ g/mol} \)
Other term(s): Butyl phosphate; TBP; Tri-n-butyl phosphate
Note(s): CAS 126-73-8
NPU16850
Air(amb)—Tributyl phosphate; subst.c. = ? µmol/m³

Drinking water—

Tributyl phosphate;
substance concentration
nanomole/litre
\( M = 266.32 \text{ g/mol} \)
Other term(s): Butyl phosphate; TBP; Tri-n-butyl phosphate
Note(s): CAS 126-73-8
NPU16851
Drinking water—Tributyl phosphate; subst.c. = ? nmol/l
Air(ambient)—

Tributyltin oxide; 
substance concentration
nanomole/metre^3
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/m³

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/metre^3
M = 257.85 g/mol
Other name(s): Dimethyl (RS)-2,2,2-trichloro-1-hydroxyethylphosphonate;
Bayer L 1359; Cekufon; Chlorofos; Combol; Danex; Dipterex; Dylox; Metrifonate;
Neguvon; Proxol;
(2,2,2-Trichloro-1-hydroxyethyl)-phosphonic acid
dimethyl ester; Trichlorehone; Tugon
Authority: ISO
Note(s): CAS 52-68-6
NPU16854
Air(amb)—Trichlorfon; subst.c. = ? nmol/m³

Drinking water—

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; Combol; Danex; Dipterex; Dylox; Metrifonate;
Neguvon; Proxol; (2,2,2-Trichloro-1-hydroxyethyl)-phosphonic acid dimethyl ester;
Trichlorehone; Tugon
Authority: ISO
Note(s): CAS 52-68-6
NPU16855
Drinking water—Trichlorfon; subst.c. = ? nmol/l

Air(ambient)—

Trichloroethane; 
substance concentration
nanomole/metre^3
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/m³

Drinking water—

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
Drinking water—1,1,2-Trichloroethane; subst.c. = ? nmol/l

Air(ambient)—

Trichloroethylene; 
substance concentration
micromole/metre^3
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/m³

Drinking water—

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
Drinking water—Trichloroethylene; subst.c. = ? nmol/l

Air(ambient)—

Tri-ortho-cresyl phosphate; 
substance concentration
nanomole/metre^3
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/m³
Drinking water—
Tri-ortho-cresyl phosphate; 
substance concentration
picomole/litre
$M = 368.37 \text{ g/mol}$
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
Drinking water—Tri-ortho-cresyl phosphate; subst.c. = ? pmol/l

Air(ambient)—
Triphenyl phosphate;
substance concentration
micromole/metre³
$M = 326.28 \text{ g/mol}$
Other term(s): Phenyl phosphate; TPP
Note(s): CAS 115-86-6
NPU16862
Air(amb)—Triphenyl phosphate; subst.c. = ? µmol/m³

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

Air(ambient)—
Tris(2,3-dibromopropyl) phosphate;
substance concentration
nanomole/metre³
$M = 697.85 \text{ g/mol}$
Other term(s): Apex 462-5; Firemaster LV-T 23P; Firemaster T 23P; Flammex AP; Flammex T 23P; Fyrol HB 32; Phosphoric acidtris(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/m³

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

Air(ambient)—
Uranium(0+II+III+IV+V+VI);
substance concentration
nanomole/metre³
$A = 238.03 \text{ g/mol}$
Note(s): CAS 7440-61-1 (element)
NPU16866
Air(amb)—Uranium(0+II+III+IV+V+VI); subst.c. = ? nmol/m³

Blood—
Uranium(IV+VI);
substance concentration
picomole/litre
$A = 238.03 \text{ g/mol}$
Note(s): CAS 7440-61-1 (element)
NPU16936
B—Uranium(IV+VI); subst.c. = ? pmol/l

Urine—
Uranium(IV+VI);
substance concentration
picomole/litre
$A = 238.03 \text{ g/mol}$
Note(s): CAS 7440-61-1 (element)
NPU16937
U—Uranium(IV+VI); subst.c. = ? pmol/l

Air(ambient)—
Chloroethene;
substance concentration
micromole/metre³
$M = 62.50 \text{ g/mol}$
Other term(s): Chloroethylene; Ethylene monochloride; Monochloroethene; Monochloroethylene; VC; VCM
Note(s): CAS 75-01-4
NPU16867
Air(amb)— Chloroethene; subst.c. = ? µmol/m³

Drinking water—
Chloroethene;
substance concentration
nanomole/litre
$M = 62.50 \text{ g/mol}$
Other term(s): Chloroethene; Chloroethylene; Ethylene monochloride; Monochloroethene; Monochloroethylene; VC; VCM
Note(s): CAS 75-01-4
NPU16868
Drinking water— Chloroethene; subst.c. = ? nmol/l
Air(ambient)—

1,1-Dichloroethene:
substance concentration
micromole/metre³
$M = 96.94 \text{ g/mol}$
Other term(s): 1,1-DCE; 1,1-Dichloroethylene; VDC; Vinylidene chloride monomer; Vinylidene dichloride
Note(s): CAS 75-35-4
NPU16869
Air(amb)— Dichloroethene; subst.c. = ? µmol/m³

Air(exhaled)—

Dichloroethene:
substance concentration
micromole/metre³
$M = 96.94 \text{ g/mol}$
Other term(s): 1,1-DCE; 1,1-Dichloroethylene; VDC; Vinylidene chloride monomer; Vinylidene dichloride
Note(s): CAS 75-35-4
NPU16870
Air(exh)—Dichloroethene; subst.c. = ? µmol/m³

Drinking water—

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

Plasma—

Warfarin:
substance concentration
micromole/litre
$M = 308.33 \text{ g/mol}$
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)-2H-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/metre³
$M = 308.33 \text{ g/mol}$
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)-2H-1-benzopyran-2-one; WARF
Authority: INN
Note(s): CAS 81-81-2
NPU16873
Air(amb)— Warfarin; subst.c. = ? nmol/m³

Drinking water—

Welding fume:
mass concentration(procedure)
milligram/metre³
Authority: ACGIH
NPU16874
Air(amb)—Welding fume; mass c.(proc.) = ? mg/m³

Air(ambient)—

White spirit(specification):
mass concentration(procedure)
milligram/metre³
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(spec.); massc.(proc.) = ? mg/m³
Blood—
White spirit (specification);
mass concentration (procedure)
[graphic]
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
cyclic 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

Air(ambient)—
Wood dust (specification);
mass concentration (procedure)
milligram/metre³
Authority: ACGIH
NPU16877
Air(amb)—Wood dust (spec.); mass c. (proc.) = ? mg/m³

Air(ambient)—
1,2-Dimethylbenzene;
substance concentration
millimole/metre³
M = 106.17 g/mol
Other term(s): ortho-Xylene; o-Xylol
Note(s): CAS 95-47-6
NPU16878
Air(amb)—1,2-Dimethylbenzene; subst. c. = ? mmol/m³

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

Air(ambient)—
1,3-Dimethylbenzene;
substance concentration
millimole/metre³
M = 106.17 g/mol
Other term(s): meta-Xylene; m-Xylol
Note(s): CAS 108-38-3
NPU16880
Air(amb)—1,3-Dimethylbenzene; subst. c. = ? mmol/m³

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

Air(ambient)—
1,4-Dimethylbenzene;
substance concentration
millimole/metre³
M = 106.17 g/mol
Other term(s): para-Xylene; p-Xylol
Note(s): CAS 106-42-3
NPU16882
Air(amb)—1,4-Dimethylbenzene; subst. c. = ? mmol/m³

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

Cells(Blood)—
Zinc(II);
substance content
micromole/kilogram
A = 65.38 g/mol
Note(s): CAS 7440-66-6 (element)
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)
NPU16957
Hair—Zinc(II); subst. cont. = ? mmol/kg
Plasma—
Zinc(II):
  substance concentration
  micromole/litre
  \(A = 65.38 \text{ g/mol}\)
  Note(s): CAS 7440-66-6 (element)
  NPU16939
  P—Zinc(II); subst.c. = ? \(\mu\text{mol/l}\)

Seminal plasma—
Zinc(II):
  substance concentration
  micromole/litre
  \(A = 65.38 \text{ g/mol}\)
  Note(s): CAS 7440-66-6 (element)
  NPU16940
  Seminal plasma—Zinc(II); subst.c. = ? \(\mu\text{mol/l}\)

Drinking water—
Zinc(II):
  substance concentration
  micromole/litre
  \(A = 65.38 \text{ g/mol}\)
  Note(s): CAS 7440-66-6 (element)
  NPU16884
  Drinking water—Zinc(II); subst.c. = ? \(\mu\text{mol/l}\)

Air(ambient)—
Zinc oxide:
  substance concentration
  micromole/metre³
  \(M = 81.38 \text{ g/mol}\)
  Note(s): CAS 1314-13-2
  NPU16885
  Air(amb)—Zinc oxide; subst.c. = ? \(\mu\text{mol/m}³\)