ANALYT MESSTECHNIK



REFERENCE GUIDE

SKC sampling for UK (HSE) methods

Workplace Exposure Limits, MDHS and ISO methods, suggested sampling parameters and the SKC sorbent tubes, passive samplers and filters for about 370 hazardous substances, from acetaldehyde to zirconium.

AMTC-RF-0003

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About this guide

This guide matches hazardous substances to the UK methods for measuring them in workplace air, and to the SKC sampling media and samplers those methods call for. For each substance it gives the Workplace Exposure Limit (WEL), the method — an HSE MDHS, an ISO standard or HSG 248 — and suggested sampling parameters: air volume, flow rate and sampling time for a long-term and, where there is one, a short-term sample. It closes with the analytical technique and the SKC catalogue number of each sorbent tube, passive sampler, filter or sampling head.

Use it to plan a sampling campaign: look up the substance in Sampling methods A–Z (p. 11), check the method, set the pump to a flow in the range shown and order the media by their catalogue numbers. Reading the method tables (p. 3) explains the columns, the notes and the abbreviations; Exposure limits and COSHH (p. 10) sums up what the limits mean in law.

The guide covers about 370 substances and the SKC equipment for them: sorbent tubes, passive samplers, IOM samplers, cyclones, filters, impingers and sampling heads. Analyt-MTC supplies all of it, together with the sampling pumps and flowmeters; see Ordering information (p. 37) and Contacts (p. 38).

Note
Check the current limits and the method. The WELs in this guide are those of SKC's source table, a PDF dated May 2024, and have not been updated since. Limits change: always take them from the current edition of HSE's EH40 *Workplace exposure limits*, and read the published method before you sample. This guide does not replace either.

How this guide marks information

CAUTION

A hazardous situation which, if not avoided, could result in minor or moderate injury.

Note
Information that helps understanding; never a hazard.

Document information

Title	SKC sampling for UK (HSE) methods — Reference guide
Document number	AMTC-RF-0003
Revision	Rev. 2 — October 2026
Applies to	SKC sorbent tubes (Anasorb, charcoal, Chromosorb, OVS, PUF, Porapak, silica gel, specific, Tenax and XAD tubes) and the other SKC samplers named in the tables
Language	English
Manufacturer	SKC Inc.

Revision history

Rev.	Date	Change
2	October 2026	Quality programme: new document type, number and identity pages.
1	October 2026	First issue.

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Reading the method tables

The tables in Sampling methods A–Z (p. 11) list each substance with its exposure limit, followed by one line for every method that measures it; a few substances appear twice, as in SKC's table. Substances are in alphabetical order; numerical and positional prefixes such as 1,2-, N,N- or o- are ignored when sorting.

The columns

Column	What it shows
Substance, WEL (shaded)	The substance as EH40 names it, with synonyms in brackets, followed by its WEL: the long-term limit (8-hour TWA) and, where there is one, the short-term limit (15-minute STEL). No WEL is shown where none is listed.
Method	The agency method: an HSE *Methods for the Determination of Hazardous Substances* (MDHS) number, an ISO standard, or HSE guidance HSG 248 for asbestos. A symbol after it refers to the notes (p. 4).
Volume, L	Air volume to sample, in litres.
Flow, mL/min	Pump flow rate, in millilitres per minute.
Time	Sampling time: hours for a long-term sample, minutes for a short-term (STEL) sample.
Analysis	The analytical technique the method uses; see Abbreviations (p. 4).
Order code	The SKC sampling media and samplers for the method, each as a type code and catalogue number — for example the type code **ST** stands for a sorbent tube.

Long-term and short-term samples

The first value in the Volume, Flow and Time columns is for the long-term (TWA) sample. Where the method also describes a short-term sample, a second line marked **STEL** follows. If the short-term volume or flow is the same as the long-term one, it is given once: a STEL line in the Time column with no STEL line beside it means the same volume range or flow applies to both samples.

A line that reads **Diffusive sampling (no pump)** is for a passive sampler: it collects by diffusion, so no air volume or flow rate is set. Take the sampling time from the method and the sampler's instructions.

How the equipment is listed

- **+** joins items used together in one sampling train — for example an IOM sampler with its filter, **IOM 225-70A + FLT 225-58F**.
- **or** separates alternatives — **ST 226-119 or ST 226-120** means either tube.
- **and** joins two tubes that are both needed for the sample.
- **[square brackets]** group items. Where one cell mixes **+** and **or**, the brackets show what belongs together: **[FLT/CL 225-54A or FLT/CL 225-54] + FLT 225-1913** is one of the two cowled heads plus the filter; **[A + B] or C** is either the pair A and B, or C alone.
- Where a filter has to be chemically treated for the method and no catalogue number is given, the entry reads **FLT, treated: ask Analyt-MTC**.

> **Note**
> **The parameters are suggestions.** The volumes, flow rates and times are suggestions based on the equipment, materials and the ranges each method gives. Whoever samples and analyses chooses the parameters, method and equipment that suit the application. A few pairs look odd but are printed as the supplier lists them (n-butoxyethyl acetate, MDHS 104: STEL 15 L at 1000 mL/min, TWA 48 L at 100 mL/min): check them against the method.

Notes to the tables

Mark	Meaning
§	MDHS 104, Method 3: for these substances the flow rates, times and analysis come from methods of US regulators.
¥	A diffusive method with the SKC VOC Chek 575 passive samplers. To choose the sampler, see the SKC VOC Chek 575 sampler selection guide, Analyt-MTC document AMTC-RF-0006.
Δ	The method uses an impinger. If the solution could spill while a person wears the sampler, use a published method that does without the impinger.
**	MDHS 25/4, Appendix 2 describes an alternative sampler. It has limitations; read the method.
◊	When the L spectral lines are used, results for elements below atomic number 82 may be semi-quantitative or qualitative only. See MDHS 91/2.
‡	The filter must be chemically treated before sampling, as the method specifies.
√	The application needs two tubes.
#	Lead: the value given is for lead other than lead alkyls, which have their own occupational exposure limit of 0.1 mg/m³. The Control of Lead at Work Regulations govern exposure to lead.
†	Printed as in SKC's source table, where the value is apparently a misprint. Diisopropyl ether: the MDHS 96 row gives 251 and 311 ppm, the MDHS 88 row 250 and 310 ppm, with the same values in mg/m³. Styrene: the upper limit of the STEL flow rate, “20–00”, is incomplete; take it from MDHS 104.
▯	Chromium (VI): 0.025 mg/m³ is the limit for chromium (VI) compounds generated by a process.

Abbreviations

The lists are SKC's full lists; the tables in this guide use only some of the codes.

SKC equipment

AC	Accu-CAP capsule
BI	Bioaerosol impactor
BS	BioSampler
C	Capsule
CAL	Calibration adapter
C/HLD	Filter cassette and cyclone holder
CF/CST	Coated filter in preloaded cassette
CH	Capsule holder

Analysis

AA	Atomic absorption
AAS	Atomic absorption spectroscopy
AED	Atomic emission detection
AES	Atomic emission spectroscopy
CA	Chromotropic acid assay
CD	Conductivity detection
CI	Colorimetric
CLR	Colorimetry or spectrophotometry

CI	Cascade impactor
CPC	Constant pressure controller
CST	Filter cassette (filter holder)
CYC	Cyclone
DR	Direct-reading
DRI	Direct-reading instrument
DRT	Drying tube
DT	Detector tube, colour-indicating
EPAM	Environmental particulate monitor
F/CST	Filter in preloaded cassette
FLT	Filter
FLT/CL	Filter cassette with cowl
FOAM	Foam insert
H/SET	Face-level headset
IMP	Impinger
IOM	IOM particulate sampler
IS	Impaction substrate
IT	Impinger trap
JAR	Jar
MINI	Mini-sampler
MVC	Microvacuum cassette
PPI	Parallel particle impactor
PS	Passive (diffusive) sampler
PT	Plastic tubing
PUF	PUF cartridge
RR	Rate reducer
SB	Sample bag
SBLK	Bulk sorbent
SC	Solu-CAP
SCN	Screen
SCRN	Stainless steel screen
SH	Sampling head
SM TB	Smear tab
SP	Support pads
SPC	Spacer
SSC	Stainless steel cassette
ST	Sorbent tube
STC	Spore trap cassette
SV	Sorbent vial
T	Tape
TH	Tube holder
TK	Test kit
TMP	Template
VAC	Vac-U-Chamber

DET TB	Detector tube, colour-indicating
DID	Discharge ionisation detector
DPCSP	Differential pulse cathodic stripping polarography
DPP	Differential pulse polarography
DR	Direct-reading
DRI	Direct-reading instrument
EAP	Explosives analysis package
ECD	Electron capture detector
ECN	Electrolytic conductivity detector
EGA-TOS	Evolved gas analysis with thermal-optical sensor
ELCHM	Electrochemical detector
F	Flame
FAME	Fatty acid methyl ester
FD	Fluorescence detector
FID	Flame ionisation detector
FLAG	Flame arsine generation
FLUOR	Fluorescence
FPD	Flame photometric detector
FPDS	Flame photometric detector, sulphur-specific
GC	Gas chromatography
GF	Graphite furnace
GR	Gravimetric analysis
HGA	Heated graphite atomiser
HPLC	High-performance liquid chromatography
HRGC	High-resolution gas chromatography
HRMS	High-resolution mass spectrometry
IC	Ion chromatography
IC-CD	Ion chromatography detector
ICP	Inductively coupled plasma
ICP-AES	Inductively coupled plasma atomic emission spectroscopy
ICP-DCP	Inductively coupled plasma – directly coupled plasma spectroscopy
ICP-MS	Inductively coupled plasma mass spectrometry
IR	Infrared spectrophotometry
IRA	Immunoradiometric assay
ISE	Ion-selective electrode
LC	Liquid chromatography
MAS	Molecular absorption spectrometry
MD	Multi-detector
MS	Mass spectrometry
MSD	Mass-selective detector
N ACT	Neutron activation
NCD	Nitrogen chemiluminescence detector

VT	ViaTrap for BioSampler
W	Wipe

NPD	Nitrogen–phosphorus detector
NSD	Nitrogen-specific detector
NVM	No validated method
P FLUOR	Portable fluorescence
P GC	Portable gas chromatography
P IR	Portable infrared spectrophotometry
P IS	Portable infrared spectrophotometer
P VAS	Portable visible absorption spectrophotometry
PASV	Portable anodic stripping voltammetry
PCD	Post-column derivatisation
PCM	Phase contrast microscopy
PCR	Polymerase chain reaction
PDA	Photodiode array detector
PES	Plasma emission spectrometry
PID	Photoionisation detector
PLM	Polarised light microscopy
POL	Polarography
SCD	Sulphur chemiluminescence detector
SE	Soxhlet extraction
SEM	Scanning electron microscopy
SIM	Selected ion monitoring
SPOT	Chemical spot test
TCD	Thermal conductivity detector
TD	Thermal desorption
TEA	Thermal energy analyser
TEM	Transmission electron microscopy
TITRA	Titration
TOA	Thermal-optical analysis
UV	Ultraviolet detector
VAS	Visible absorption spectrophotometry
VIS	Visual
W	Wipe
XRD	X-ray diffraction
XRF	X-ray fluorescence
XRFS	X-ray fluorescence spectroscopy

References

SKC compiles its sampling guides from publications of the National Institute for Occupational Safety and Health (NIOSH), the Occupational Safety and Health Administration (OSHA), ASTM International, the Environmental Protection Agency (EPA) and the Health and Safety Executive (HSE), and from published non-agency methods. The references are current as of SKC's print date.

Agency references

- NIOSH Manual of Analytical Methods, Fifth Edition

- OSHA Analytical Methods Manual, published 1985 with updates through 2023; method number only for organics, method number with ID prefix for inorganics
- EPA Compendium of Methods, Toxic Organic (TO) Jan. 1997, Inorganic (IO) Feb. 1997, Indoor Air (IP) Apr. 1990
- Methods for the Determination of Hazardous Substances (MDHS), a series published by HSE Books in the UK that describes procedures for the measurement of personal exposure to contaminants in air
- ASTM International, Annual Book of Standards, Section 11 - Water and Environmental Technology, Volume 11.03. Occupational Health & Safety; Protective Clothing

Non-agency references

Numbered as in SKC's sampling guides. The methods in this guide are HSE, ISO and HSG methods and cite none of them.

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51.	Trichloronitromethane; CA Air Resources Board, Oct. 2002
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CHAPTER 1

Exposure limits and COSHH

A sampling result is only useful against a limit. In Great Britain that limit is the Workplace Exposure Limit set out in HSE's EH40, and the duty behind it comes from the COSHH Regulations. This chapter sums up both; EH40 itself is the reference.

Workplace Exposure Limits

A Workplace Exposure Limit (WEL) is a British occupational exposure limit, set to protect the health of people at work. It is a concentration of a hazardous substance in air, averaged over a reference period — a time-weighted average (TWA). Two reference periods are used:

- **Long-term limit:** averaged over 8 hours. The tables list it as *TWA*.
- **Short-term exposure limit (STEL):** averaged over 15 minutes. It guards against effects such as eye irritation that can follow an exposure of only a few minutes.

Where a substance has a long-term limit but no specific STEL, EH40/2005 says to use three times the long-term limit as the short-term figure.

Limits for gases and vapours are given in ppm with the equivalent in mg/m³; limits for dusts, fumes and mists in mg/m³; limits for fibres in fibres per cm³ (or per mL) of air.

WELs and the COSHH Regulations

Every substance with a WEL falls under the Control of Substances Hazardous to Health Regulations 2002 (COSHH). COSHH requires employers to prevent or control exposure to hazardous substances. Control counts as adequate only when all three of these hold:

1. the principles of good control practice are applied;
2. no WEL is exceeded;
3. exposure to asthmagens, carcinogens and mutagens is reduced as low as is reasonably practicable.

> **⚠ CAUTION**
>
> **No WEL does not mean safe.** A substance without a WEL can still harm health. Control exposure to it to a level that nearly the whole workforce could breathe, every working day, without any adverse effect.

The risk assessment under regulation 6 of COSHH is where employers set their own working practices and in-house standards for controlling exposure. Where enough is known about a substance, an in-house working standard can be based on information from the manufacturers and suppliers of the substance, industry associations, occupational medicine and hygiene journals, and agencies such as NIOSH and OSHA.

CHAPTER 2

Sampling methods A–Z

Each substance is shown with its Workplace Exposure Limit, followed by the methods that measure it, one per line. Volumes are in litres, flow rates in mL/min; a second line marked STEL is for the 15-minute sample. The WELs are those of SKC's source table, a PDF dated May 2024; check them against the current EH40. Symbols are explained in Notes to the tables (p. 4), abbreviations in Abbreviations (p. 4).

Jump to: A · B · C · D · E · F · G · H · I · K · L · M · N · O · P · R · S · T · V · W · X · Y · Z

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
A						
Acetaldehyde 20 ppm (37 mg/m³) TWA 50 ppm (92 mg/m³) STEL	MDHS 102	48–480 STEL 1.5–15	100–1000	8 h STEL 15 min	HPLC-PDA	ST 226-119 or ST 226-120
	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100
Acetic acid 10 ppm (25 mg/m³) TWA 20 ppm (50 mg/m³) STEL	MDHS 104§	Up to 96 STEL up to 3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Acetone 500 ppm (1210 mg/m³) TWA 1500 ppm (3620 mg/m³) STEL	MDHS 104	1–1.5	20–100	1.25 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 104§	0.5–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Acetonitrile 40 ppm (68 mg/m³) TWA 60 ppm (102 mg/m³) STEL	MDHS 104§	1–25 STEL 1–15	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-09-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Acrylamide 0.1 mg/m³ TWA	MDHS 57/2Δ	48	100	8 h	HPLC-UV	IMP 225-36-1 + IT 225-22
Acrylonitrile 2 ppm (4.4 mg/m³) TWA	MDHS 96	3.5–20	10–200	Up to 8 h	GC-FID	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Allyl alcohol 2 ppm (4.8 mg/m³) TWA 4 ppm (9.7 mg/m³) STEL	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Aluminium metal (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Aluminium metal (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
Aluminium oxides (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Aluminium oxides (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
Aluminium salts (soluble) 2 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Amines, aromatic (see individual compounds)	MDHS 75/2	200	2000	Up to 8 h	HPLC-UV	IOM 225-70A + FLT 225-58F‡ + ST 226-35
2-Aminoethanol 1 ppm (2.5 mg/m³) TWA 3 ppm (7.6 mg/m³) STEL	MDHS 96	4–24	10–200	Up to 8 h STEL 15 min	GC-FID	ST 226-10-04
Aniline (Phenylamine) 1 ppm (4 mg/m³) TWA	MDHS 104§	5–30	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-10
	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357
	MDHS 75/2	200	2000	Up to 8 h	HPLC-UV	IOM 225-70A + FLT 225-58F‡
Antimony & compounds (except stibine) (as Sb) 0.5 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
p-Aramid respirable fibres (Polymeric aromatic amide derivative) 0.5 fibres/mL TWA	MDHS 59/2	480	1000	8 h	PCM	[FLT/CL 225-54A or FLT/CL 225-54] + FLT 225-1913
Aromatic carboxylic acid anhydrides (ACAs) (see individual compounds)	MDHS 62/2	960	2000	8 h	HPLC-UV	IOM 225-70A + FLT 225-58F + ST 226-35-01
Arsenic & arsenic compounds (except arsine) (as As) 0.1 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Asbestos 0.1 fibre/cm³ TWA 0.6 fibre/cm³ STEL	HSG 248	240–480 STEL 40	1000–2000 STEL 4000	2–4 h STEL 10 min	PCM	[FLT/CL 225-54A or FLT/CL 225-54] + FLT 225-1913
Azodicarbonamide 1.0 mg/m³ TWA 3.0 mg/m³ STEL	MDHS 92/2	960 STEL 30	2000	8 h STEL 15 min	HPLC	IOM 225-70A + FLT 225-58F
B						
Barium compounds (soluble) (as Ba) 0.5 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Barium sulphate (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Barium sulphate (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
Benzaldehyde	MDHS 102	48–480	100–1000	8 h	HPLC-PDA	ST 226-119 or ST 226-120
	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100
Benzene 1 ppm (3.25 mg/m³) TWA	MDHS 104§	5–30	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 104	1–6.2	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Benzyl chloride 0.5 ppm (2.6 mg/m³) TWA 1.5 ppm (7.9 mg/m³) STEL	MDHS 104§	6–50 STEL up to 3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Bifenthrin	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Bis-(2-Ethylhexyl) phthalate (diOctyl phthalate) 5 mg/m³ TWA 10 mg/m³ STEL	MDHS 104§	240	1000	4 h	GC-FID, GC-MS	ST 226-56
Bornan-2-one (Camphor, synthetic) 2 ppm (13 mg/m³) TWA 3 ppm (19 mg/m³) STEL	MDHS 104§	1–25 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Bromoethylene 1 ppm (4.4 mg/m³) TWA	MDHS 96	2–10	10–200	Up to 8 h	GC-FID	ST 226-09-50_
Bromomethane (Methyl bromide) 5 ppm (20 mg/m³) TWA 15 ppm (59 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Bromopropylate	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Bupirimate	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Buta-1,3-diene (1,3-Butadiene) 1 ppm (2.2 mg/m³) TWA	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-363-UP
	MDHS 104§	5–25	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-37
	MDHS 53/2	2–5	10–200	Up to 8 h	GC-FID, GC-MS	ST 226-363-UP
Butan-1-ol (n-Butanol; n-Butyl alcohol) 50 ppm (154 mg/m³) STEL	MDHS 104§	2–10	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 104	1–5 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Butan-2-ol (2-Butanol; sec-Butanol; sec-Butyl alcohol) 100 ppm (308 mg/m³) TWA 150 ppm (462 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104§	2–10 STEL 2–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Butan-2-one (Methyl ethyl ketone; MEK) 200 ppm (600 mg/m³) TWA 300 ppm (899 mg/m³) STEL	MDHS 104	1–3.2 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
2-(2-Butoxyethoxy)ethanol (Butyl carbitol) 10 ppm (67.5 mg/m³) TWA 15 ppm (101.2 mg/m³) STEL	MDHS 104§	10	200	50 min	GC-FID, GC-MS	ST 226-01-50_
2-Butoxyethanol (Butyl Cellosolve) 25 ppm (123 mg/m³) TWA 50 ppm (246 mg/m³) STEL	MDHS 104§	5–25 STEL up to 3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
n-Butoxyethyl acetate (n-Butoxyethanol acetate; Butyl Cellosolve acetate) 20 ppm (133 mg/m³) TWA 50 ppm (332 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 104§	48 STEL 15	100 STEL 1000	8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Butyl acetate (n-Butyl acetate) 150 ppm (724 mg/m³) TWA 200 ppm (966 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
sec-Butyl acetate 200 ppm (966 mg/m³) TWA 250 ppm (1210 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
tert-Butyl acetate (1,1-dimethylethyl ester) 200 ppm (966 mg/m³) TWA 250 ppm (1210 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 72	2.5	5–200	Up to 8 h STEL 15 min	GC-FID	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
n-Butyl acrylate 1 ppm (5 mg/m³) TWA 5 ppm (26 mg/m³) STEL	MDHS 104§	12	50	4 h	GC-FID	ST 226-73
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
2-sec-Butylphenol (o-sec-Butylphenol) 5 ppm (31 mg/m³) TWA	MDHS 104§	20	200	100 min	GC-FID, GC-MS	ST 226-95
C						
Cadmium & compounds (except oxide fume, sulphide & sulphide pigments) (as Cd) 0.025 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Cadmium oxide fume (as Cd) 0.025 mg/m³ TWA 0.05 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Cadmium sulphide & cadmium sulphide pigments (respirable dust) (as Cd) 0.03 mg/m³ TWA	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
Calcium carbonate (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Calcium carbonate (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
Calcium cyanamide 0.5 mg/m³ TWA 1 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Calcium hydroxide 5 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Calcium hydroxide (respirable fraction) 1 mg/m³ TWA 4 mg/m³ STEL	MDHS 14/4	1440 STEL 45	3000	8 h STEL 15 min	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
	ISO 15202:2020	1440 STEL 45	3000	8 h STEL 15 min	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
Calcium oxide 2 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Calcium oxide (respirable fraction) 1 mg/m³ TWA 4 mg/m³ STEL	MDHS 14/4	1440 STEL 45	3000	8 h STEL 15 min	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
	ISO 15202:2020	1440 STEL 45	3000	8 h STEL 15 min	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
Calcium silicate (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Calcium silicate (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Captan (ISO) 5 mg/m³ TWA 15 mg/m³ STEL	MDHS 94/2	960 STEL 30	2000	8 h STEL 15 min	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Carbaryl	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Carbon black 3.5 mg/m³ TWA 7 mg/m³ STEL	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F
Carbon disulphide 5 ppm (15 mg/m³) TWA	MDHS 96	2–25	10–200	Up to 8 h	GC-FPD	ST 226-01-50_ and ST 226-44
	MDHS 96	Diffusive sampling (no pump)			GC-FID	PS 575-001
Carbon tetrachloride 1 ppm (6.4 mg/m³) TWA 5 ppm (32 mg/m³) STEL	MDHS 104	1–6.2 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
	MDHS 104§	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-35
	MDHS 104§	3–96 STEL 3	10–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Cellulose (inhalable dust) 10 mg/m³ TWA 20 mg/m³ STEL	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F
Cellulose (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Chlorfenvinphos	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
o-Chloroaniline (OCA; 2-chloroaniline)	MDHS 75/2	200	2000	Up to 8 h	HPLC-UV	IOM 225-70A + FLT 225-58F‡ + ST 226-35
Chlorobenzene 1 ppm (4.7 mg/m³) TWA 3 ppm (14 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104§	1.5–40 STEL 1.5–3	20–200 STEL 10–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
1-Chloro-2,3-epoxypropane (Epichlorohydrin; ECH) 0.5 ppm (1.9 mg/m³) TWA 1.5 ppm (5.8 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
1-Chloro-2,3-epoxypropane (epichlorohydrin) 0.5 ppm (1.9 mg/m³) TWA 1.5 ppm (5.8 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 96	2–30 STEL 2–3	10–200	Up to 8 h STEL 15 min	GC-FID	ST 226-01-50_
Chloroethane (Ethyl chloride) 50 ppm (134 mg/m³) TWA	MDHS 104§	0.3–3	20–50	Up to 8 h	GC-FID, GC-MS	ST 226-25
2-Chloroethanol 1 ppm (3.4 mg/m³) STEL	MDHS 96	2–35 STEL 2–3	10–200	2–8 h STEL 15 min	GC-FID	ST 226-81A
Chloroform 2 ppm (9.9 mg/m³) TWA	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
	MDHS 104§	1–50	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
Chloromethane 50 ppm (105 mg/m³) TWA 100 ppm (210 mg/m³) STEL	MDHS 104§	1–10	50–200	2–8 h STEL 15 min	GC-FID	ST 226-09-50_√ and ST 226-01-50_√

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
1-Chloro-4-nitrobenzene 1 mg/m³ TWA 2 mg/m³ STEL	MDHS 104§	1–96 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Chlorothalonil	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Chlorpyrifos (ISO) 0.2 mg/m³ TWA 0.6 mg/m³ STEL	MDHS 94/2	960 STEL 30	2000	8 h STEL 15 min	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Chlorpyriphos-Methyl	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Chromium 0.5 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Chromium (II) compounds (as Cr) 0.5 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Chromium (III) compounds (as Cr) 0.5 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Chromium (VI) (Hexavalent chromium) compounds (as Cr) 0.01 mg/m³[Ⓜ] TWA	MDHS 52/4 static sampling only	240	2000	2 h	CLR	IOM 225-70A + FLT 225-9026
	ISO 16740:2005	960	2000	8 h	IC	IOM 225-70A + [FLT 225-5-25 or FLT 225-9026]
Cobalt & cobalt compounds (as Co) 0.1 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Copper & compounds (dust & mists) (as Cu) 1 mg/m³ TWA 2 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Copper fume (as Cu) 0.2 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Cotton dust 2.5 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Crotonaldehyde	MDHS 102	48–480	100–1000	8 h	HPLC-PDA	ST 226-119 or ST 226-120
	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100
Cumene (Isopropylbenzene) 25 ppm (125 mg/m³) TWA 50 ppm (250 mg/m³) STEL	MDHS 104§	1–30 STEL 1–3	20–200 STEL 10–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Cyclohexane 100 ppm (350 mg/m³) TWA 300 ppm (1050 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104§	2.5–5 STEL 2.5–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Cyclohexanol 50 ppm (208 mg/m³) TWA	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104§	1–10	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
Cyclohexanone 10 ppm (41 mg/m³) TWA 20 ppm (82 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Cypermethrin	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
D						
Deltamethrin	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Diatomaceous earth (natural) (respirable dust) 1.2 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Dibismuth tritelluride 10 mg/m³ TWA 20 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Diboron trioxide (Boron oxide) 10 mg/m³ TWA 20 mg/m³ STEL	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
1,2-Dibromoethane (Ethylene dibromide; EDB) 0.5 ppm (3.9 mg/m³) TWA	MDHS 96	0.1–25	50	Up to 8 h	GC-ECD	ST 226-01-50_
	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
2,6-Di-tert-butyl-p-cresol 10 mg/m³ TWA	MDHS 104[§]	100	1000	100 min	GC-FID, GC-MS	ST 226-57
Dibutyl phthalate (DBP) 5 mg/m³ TWA 10 mg/m³ STEL	MDHS 104[§]	240 STEL 15	1000	4 h STEL 15 min	GC-FID, GC-MS	ST 226-56
Dichlofluanid	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
2,2′-Dichloro-4,4′-methylene dianiline (MbOCA; 4,4′-Methylenebis(2-chloroaniline); 3′-Dichloro-4,4′-diaminodiphenyl methane) 0.005 mg/m³ TWA	MDHS 75/2	200	2000	Up to 8 h	HPLC-UV	IOM 225-70A + FLT 225-58F[‡]
1,2-Dichlorobenzene (ortho-dichlorobenzene) 25 ppm (153 mg/m³) TWA 50 ppm (306 mg/m³) STEL	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104[§]	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
1,4-Dichlorobenzene (para-dichlorobenzene) 2 ppm (12 mg/m³) TWA 10 ppm (60 mg/m³) STEL	MDHS 104[§]	1–8 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
1,1-Dichloroethane 100 ppm TWA	MDHS 104[§]	0.5–15	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-001
1,2-Dichloroethane (Ethylene dichloride) 5 ppm (21 mg/m³) TWA	MDHS 104	1–5.4	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-358
	MDHS 104[§]	1–50	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-001
1,2-Dichloroethylene, cis:trans isomers 60:40 200 ppm (806 mg/m³) TWA 250 ppm (1010 mg/m³) STEL	MDHS 104[§]	0.2–5 STEL 0.2–3	20–200 STEL 10–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Dichlorofluoromethane 10 ppm (43 mg/m³) TWA	—	—	—	—	GC-FID	ST 226-09-50_[√]

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Dichloromethane (Methylene chloride) 100 ppm (353 mg/m³) TWA 200 ppm (706 mg/m³) STEL	MDHS 104	1–2.1	20–100	Up to 1.75 h	GC-FID, GC-MS	ST 226-358
	MDHS 104§	0.5–2.5	10–200	Up to 8 h STEL 15 min	GC-FID	ST 226-01-50_√
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
2,2′-Dichloro-4,4′-methylene dianiline (MbOCA; 4,4′-Methylenebis(2-chloroaniline); 3′-Dichloro-4,4′-diaminodiphenyl methane) 0.005 mg/m³ TWA	MDHS 75/2	200	2000	Up to 8 h	HPLC-UV	IOM 225-70A + FLT 225-58F‡
Dicyclopentadiene 5 ppm (27 mg/m³) TWA	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Diethylamine 5 ppm (15 mg/m³) TWA 10 ppm (30 mg/m³) STEL	MDHS 104§	3–30 STEL 3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-10
Diethyl ether (Ethyl ether; Ether) 100 ppm (310 mg/m³) TWA 200 ppm (620 mg/m³) STEL	MDHS 96	0.25–3	10–200	Up to 8 h STEL 15 min	GC-FID	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Diethyl phthalate (DEP) 5 mg/m³ TWA 10 mg/m³ STEL	MDHS 104§	240 STEL 15	1000	4 h STEL 15 min	GC-FID, GC-MS	ST 226-56
Diethyl sulphate (DES) 0.05 ppm (0.32 mg/m³) TWA	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357
	MDHS 89	3–96	200	Up to 8 h	GC-MSD	ST 226-357
Diisopropyl ether (Isopropyl ether) 250 ppm (1060 mg/m³) TWA 310 ppm (1310 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Diisopropyl ether (Isopropyl ether) 251 ppm (1060 mg/m³) TWA 311 ppm (1310 mg/m³) STEL†	MDHS 96	0.1–3	10–50	Up to 8 h STEL 15 min	GC-FID	ST 226-01-50_
Dimethoate	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Dimethoxymethane (Methylal) 1000 ppm (3160 mg/m³) TWA 1250 ppm (3950 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
	MDHS 104§	1–3	10–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
N,N-Dimethylacetamide 10 ppm (36 mg/m³) TWA 20 ppm (72 mg/m³) STEL	MDHS 104§	15–80 STEL 15	10–1000	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-10
Dimethylamine (2-Dimethylamine) 2 ppm (3.8 mg/m³) TWA 6 ppm (11 mg/m³) STEL	MDHS 104§	3–30 STEL 3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-10
N,N-Dimethylaniline 5 ppm (25 mg/m³) TWA 10 ppm (50 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
	MDHS 104§	3–20 STEL 3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-10
N,N-Dimethylformamide (DMF) 5 ppm (15 mg/m³) TWA 10 ppm (30 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
2,6-Dimethylheptan-4-one (Diisobutyl ketone; DIBK) 25 ppm (148 mg/m³) TWA	MDHS 104§	1–10	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Dimethyl phthalate (DMP) 5 mg/m³ TWA 10 mg/m³ STEL	MDHS 104§	240 STEL 15	1000	4 h STEL 15 min	GC-FID, GC-MS	ST 226-56
Dimethyl sulphate (DMS) 0.05 ppm (0.26 mg/m³) TWA	MDHS 96	0.25–12	10–200	Up to 8 h	GC-ECD	ST 226-114
	MDHS 89	3–96	200	Up to 8 h	GC-MSD	ST 226-357
Dimethyl sulphate 0.05 ppm (0.26 mg/m³) TWA	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357
1,4-Dioxane 20 ppm (73 mg/m³) TWA	MDHS 96	0.5–15	10–200	Up to 8 h	GC-FID	ST 226-01-50_
1,4-Dioxane 20 ppm (73 mg/m³) TWA	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Diphenyl ether (Diphenyl oxide; Phenyl ether) 1 ppm (7 mg/m³) TWA 2 ppm (14 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Diphenyl ether (vapour) 1 ppm (7 mg/m³) TWA 2 ppm (14 mg/m³) STEL	MDHS 96	1–50 STEL 1–3	10–200	Up to 8 h STEL 15 min	GC-FID	ST 226-01-50_
Dusts (Inhalable) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Dusts (Respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
E						
Emery (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Emery (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Endosulfan 0.1 mg/m³ TWA 0.3 mg/m³ STEL	MDHS 94/2	960 STEL 30	2000	8 h STEL 15 min	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Endosulfan-sulphate	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Enflurane (Enthrane; Ethrane) 50 ppm (383 mg/m³) TWA	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Ethane-1,2-diol (particulate) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Ethane-1,2-diol (vapour) (Ethylene glycol; Glycol) 20 ppm (52 mg/m³) TWA 40 ppm (104 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Ethanol (Ethyl alcohol) 1000 ppm (1920 mg/m³) TWA	MDHS 104	1–1.2	20–100	Up to 1 h	GC-FID, GC-MS	ST 226-358
	MDHS 104§	0.1–1	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
2-Ethoxyethanol (Cellosolve) 2 ppm (8 mg/m³) TWA	MDHS 104	1–5	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-358
	MDHS 104§	1–10	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
2-Ethoxyethyl acetate (2-Cellosolve acetate) 2 ppm (11 mg/m³) TWA	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 104§	1–10	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Ethyl acetate 200 ppm (734 mg/m³) TWA 400 ppm (1468 mg/m³) STEL	MDHS 104	1–3.6 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 104§	0.1–10 STEL 0.1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Ethyl acrylate 5 ppm (21 mg/m³) TWA 10 ppm (42 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Ethylbenzene 100 ppm (441 mg/m³) TWA 125 ppm (552 mg/m³) STEL	MDHS 104§	1–24 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Ethyl formate 100 ppm (308 mg/m³) TWA 150 ppm (462 mg/m³) STEL	MDHS 104§	0.3–10 STEL 0.3–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Ethylene oxide 1 ppm (1.8 mg/m³) TWA	MDHS 104	0.43	20–100	Up to 0.3 h	GC-FID, GC-MS	ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-005
F						
Fenoxycarb	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Ferrous foundry particulate (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Ferrous foundry particulate (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Flour dust 10 mg/m³ TWA 30 mg/m³ STEL	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F
Formaldehyde 2 ppm (2.5 mg/m³) TWA 2 ppm (2.5 mg/m³) STEL	MDHS 102	48–480 STEL 1.5–15	100–1000	8 h STEL 15 min	HPLC-PDA	ST 226-119 or ST 226-120
	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100
2-Furaldehyde (furfural) 2 ppm (8 mg/m³) TWA 5 ppm (20 mg/m³) STEL	MDHS 104§	1–10 STEL 1–1.5	20–100	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-357

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
G						
Glass wool mineral fibre (see MMMF) (as inhalable dust) 5 mg/m³ TWA	MDHS 59/2 (MDHS 14/4)	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Glass wool mineral fibre (see MMMF) (as respirable fibres) 2 fibres/mL TWA	MDHS 59/2	480	1000	8 h	PCM	[FLT/CL 225-54A or FLT/CL 225-54] + FLT 225-1913
Glutaraldehyde 0.05 ppm (0.2 mg/m³) TWA 0.05 ppm (0.2 mg/m³) STEL	MDHS 102	48–480 STEL 1.5–15	100–1000	8 h STEL 15 min	HPLC-PDA	ST 226-119 or ST 226-120
	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100
Glycerol, mist 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Glycerol trinitrate 0.01 ppm (0.095 mg/m³) TWA 0.02 ppm (0.19 mg/m³) STEL	MDHS 104§	3–100 STEL 3–15	200–1000	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-35-03
Grain dust 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Graphite (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Graphite (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Gypsum (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Gypsum (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
H						
Halogeno-platinum compounds (as Pt) 0.002 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
	MDHS 91/2◊	960	2000	8 h	XRFS	IOM 225-70A + FLT 225-1930
Halothane (Fluothane) 10 ppm (82 mg/m³) TWA	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Hardwood dust (or wood dust mixture containing hardwood) (inhalable fraction) 3 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
HDI (1,6-Hexamethylene diisocyanate) (as -NCO) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4Δ	480 STEL 15	1000	8 h STEL 15 min	HPLC	[IMP 225-36-4 + IT 225-22] or CST 225-1109 or [IOM 225-79A + FLT, treated: ask Analyt-MTC]
	MDHS 25/4**	960 STEL 15	2000	8 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
HDI (1,6-Hexamethylene diisocyanate) (as -NCO) (vapour only) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4	900 STEL 30	2000	7.5 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
n-Heptane 500 ppm (2085 mg/m³) TWA	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 104§	10	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Heptan-2-one (2-Heptanone; Methyl n-amyl ketone) 50 ppm (237 mg/m³) TWA 100 ppm (475 mg/m³) STEL	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 104[§]	1–25 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Heptan-3-one (3-Heptanone; Ethyl butyl ketone) 35 ppm (166 mg/m³) TWA 100 ppm (475 mg/m³) STEL	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104[§]	1–25 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Hexanal (Hexanaldehyde)	MDHS 102	48–480	100–1000	8 h	HPLC-PDA	ST 226-119 or ST 226-120
	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100
n-Hexane 20 ppm (72 mg/m³) TWA	MDHS 104	1–3.2	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-358
	MDHS 104[§]	10	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Hexan-2-one (2-Hexanone; Methyl butyl ketone; MBK) 5 ppm (21 mg/m³) TWA	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 104[§]	1–10	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
Hydrazine 0.01 ppm (0.013 mg/m³) TWA 0.1 ppm (0.13 mg/m³) STEL	MDHS 86/2[Δ]	480	1000	8 h	HPLC-UV	IMP 225-36-1 + IT 225-22
	MDHS 86/2	240	2000	2 h	HPLC-UV	SH 225-1107 + FLT 225-58F[‡]
Hydrogen cyanide 0.9 ppm (1 mg/m³) TWA 4.5 ppm (5 mg/m³) STEL	MDHS 56/3[Δ]	36 STEL 15	200 STEL 1000	3 h STEL 15 min	ISE	IMP 225-36-2 + IT 225-22 + IOM 225-70A + FLT 225-1911
Hydroquinone 0.5 mg/m³ TWA	MDHS 98/3	960	2000	8 h	HPLC-UV	IOM 225-70A + FLT 225-58F + ST 226-35-03
4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol) 50 ppm (241 mg/m³) TWA 75 ppm (362 mg/m³) STEL	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 104[§]	1–10	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
2-Hydroxypropyl acrylate 0.5 ppm (2.7 mg/m³) TWA	MDHS 104[§]	10	100	Up to 8 h	GC-FID, GC-MS	ST 226-73
I						
Indium & compounds (as In) 0.1 mg/m³ TWA 0.3 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Iodomethane (Methyl iodide) 2 ppm (12 mg/m³) TWA	MDHS 88[¥]	Diffusive sampling (no pump)			GC-FID	PS 575-001
Iodomethane (methyl iodine) 2 ppm (12 mg/m³) TWA	MDHS 96	15–50	10–1000	Up to 8 h	GC-FID	ST 226-01-50_
Iprodione	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Iron oxide (fume) (as Fe) 5 mg/m³ TWA 10 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Iron salts (as Fe) 1 mg/m³ TWA 2 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Isobutyl acetate 150 ppm (724 mg/m³) TWA 187 ppm (903 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Isocyanates (all, except methyl isocyanate) (as -NCO) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4Δ	480 STEL 15	1000	8 h STEL 15 min	HPLC	[IMP 225-36-4 + IT 225-22] or CST 225-1109 or [IOM 225-79A + FLT, treated: ask Analyt-MTC]
	MDHS 25/4**	480 STEL 15	1000	8 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
Isocyanates (all, except methyl isocyanate) (as -NCO) (vapour only) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4	960 STEL 30	2000	8 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
Isoflurane 50 ppm (383 mg/m³) TWA	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
IsoOctyl alcohol (mixed isomers) 50 ppm (271 mg/m³) TWA	MDHS 104§	10	200	50 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Isopropyl acetate 200 ppm (849 mg/m³) STEL	MDHS 104	1–6 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 104§	0.1–9 STEL 0.1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Isovaleraldehyde	MDHS 102	48–480	100–1000	8 h	HPLC-PDA	ST 226-119 or ST 226-120
	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100
K						
Kaolin (respirable dust) 2 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
L						
Lead & lead compounds 0.15 mg/m³# TWA	MDHS 91/2	960	2000	8 h	XRFS	IOM 225-70A + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Limestone (inhalable, total) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Limestone (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Lindane	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Lithium hydride 0.02 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Lithium hydroxide 1 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
M						
Machine-made mineral fibre (MMMF) (except for refractory ceramic fibres and special purpose fibres) (as inhalable dust) 5 mg/m³ TWA	MDHS 59/2	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Machine-made mineral fibre (MMMF) (except for refractory ceramic fibres and special purpose fibres) (as respirable fibres) 2 fibres/mL TWA	MDHS 59/2	480	1000	8 h	PCM	[FLT/CL 225-54A or FLT/CL 225-54] + FLT 225-1913
Magnesite (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Magnesite (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-58F + FOAM 225-772
	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
Magnesium oxide (as Mg) (inhalable dust fume) 10 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Magnesium oxide (as Mg) (respirable dust) 4 mg/m³ TWA	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-58F + FOAM 225-772
Maleic anhydride 1 mg/m³ TWA 3 mg/m³ STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
Manganese & its inorganic compounds (as Mn) (inhalable fraction) 0.2 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Manganese & its inorganic compounds (as Mn) (respirable fraction) 0.05 mg/m³ TWA	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Manganese in welding fume	ISO 10882-1:2011	varies	750	varies	GR & others	H/SET 225-6200 + MINI 225-6201 + CAL 225-6202 + FLT 225-8050
Marble (total inhalable) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Marble (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
MDI (Methylenebis(4-phenyl isocyanate)) (as -NCO) (see Isocyanates) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4[Δ]	480 STEL 15	1000	8 h STEL 15 min	HPLC	[IMP 225-36-4 + IT 225-22] or CST 225-1109 or [IOM 225-79A + FLT, treated: ask Analyt-MTC]
	MDHS 25/4[**]	960 STEL 15	2000	8 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
MDI (Methylenebis(4-phenyl isocyanate)) (as -NCO) (vapour only) (see Isocyanates) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4	900 STEL 30	2000	7.5 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
Mercury and divalent inorganic compounds including mercuric oxide and mercuric chloride (as mercury) 0.02 mg/m³ TWA	MDHS 91/2◊	960	2000	8 h	XRFS	IOM 225-70A + FLT 225-1930
Metalaxyl	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Metalworking fluids (water-mix)	MDHS 95/3	960	2000	8 h	AAS/ICP-AES	IOM 225-70A + [FLT 225-1930 or FLT 225-1825]
Methanol (Methyl alcohol) 200 ppm (266 mg/m³) TWA 250 ppm (333 mg/m³) STEL	MDHS 104§	1–5 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-51
2-Methoxyethanol (Methyl Cellosolve) 1 ppm (3 mg/m³) TWA	MDHS 104	1–3	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–5	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-358
	MDHS 104§	6–50	10–50	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
2-Methoxyethyl acetate (Methyl Cellosolve acetate; ethylene glycol monomethyl ether acetate) 1 ppm (5 mg/m³) TWA	MDHS 104	1–8	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-358
	MDHS 104§	0.2–20	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
(2-methoxymethylethoxy)propanol (Dipropylene glycol monomethyl ether; DPGME) 50 ppm (308 mg/m³) TWA	MDHS 104§	10	100	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
1-Methoxypropan-2-ol (Propylene glycol monomethyl ether; PGME) 100 ppm (375 mg/m³) TWA 150 ppm (560 mg/m³) STEL	MDHS 104§	10 STEL 3	100 STEL 200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
1-Methoxypropyl acetate (1-Methoxy-2-propyl acetate; Propylene glycol monomethyl ether acetate; PGMEA) 50 ppm (274 mg/m³) TWA 100 ppm (548 mg/m³) STEL	MDHS 104§	10 STEL 3	100 STEL 200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Methyl acetate 200 ppm (616 mg/m³) TWA 250 ppm (770 mg/m³) STEL	MDHS 104	1–7 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 104§	0.2–10 STEL 0.2–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Methyl acrylate 5 ppm (18 mg/m³) TWA 10 ppm (36 mg/m³) STEL	MDHS 104	1–6.5 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 104§	1–5	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
3-Methylbutan-1-ol (Isoamyl alcohol) 100 ppm (366 mg/m³) TWA 125 ppm (458 mg/m³) STEL	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Methyl-tert-butyl-ether (Methyl t-butyl ether; MTBE) 50 ppm (183.5 mg/m³) TWA 100 ppm (367 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Methyl-tert-butyl-ether (Tertiary-butyl-methylether, Methyl t-butyl ether; MTBE) 50 ppm (183.5 mg/m³) TWA 100 ppm (367 mg/m³) STEL	MDHS 96	2–96 STEL 2–3	100–200	Up to 8 h STEL 15 min	GC-FID	ST 226-37
Methylcyclohexanol 50 ppm (237 mg/m³) TWA 75 ppm (356 mg/m³) STEL	MDHS 104§	1–15 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
4,4′-Methylenedianiline (MDA) 0.01 ppm (0.08 mg/m³) TWA	MDHS 75/2	200	2000	Up to 8 h	HPLC-UV	IOM 225-70A + FLT 225-58F‡
Methyl formate 50 ppm (125 mg/m³) TWA 100 ppm (250 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
5-Methylheptan-3-one (5-Methyl-3-heptanone; Ethyl amyl ketone; EAK) 10 ppm (53 mg/m³) TWA 20 ppm (107 mg/m³) STEL	MDHS 104§	1–25 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
5-Methylhexan-2-one (5-Methyl-2-hexanone; Methyl isoamyl ketone; MIAK) 20 ppm (95 mg/m³) TWA 100 ppm (475 mg/m³) STEL	MDHS 104§	10	200	50 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Methyl isocyanate (MIC) (as -NCO) 0.02 ppm STEL	MDHS 25/4Δ	480 STEL 15	1000	8 h STEL 15 min	HPLC	[IMP 225-36-4 + IT 225-22] or CST 225-1109 or [IOM 225-79A + FLT, treated: ask Analyt-MTC]
	MDHS 25/4**	960 STEL 30	2000	8 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
Methyl isocyanate (MIC) (as -NCO) (vapour only) 0.02 ppm STEL	MDHS 25/4	900 STEL 30	2000	7.5 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
Methyl methacrylate 50 ppm (208 mg/m³) TWA 100 ppm (416 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 96	1–8	10–50	Up to 8 h STEL 15 min	GC-FID	ST 226-30-06
4-Methylpentan-2-ol (Methyl amyl alcohol; Methyl isobutyl carbinol) 25 ppm (106 mg/m³) TWA 40 ppm (170 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
4-Methylpentan-2-one (Methyl isobutyl ketone; MIBK; Hexone; Isopropyl acetone) 50 ppm (208 mg/m³) TWA 100 ppm (416 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
2-Methylpropan-1-ol (Isobutanol; Isobutyl alcohol) 50 ppm (154 mg/m³) TWA 75 ppm (231 mg/m³) STEL	MDHS 104	1–2.8 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 104§	2–10 STEL 2–3	20–500	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
2-Methylpropan-2-ol (t-Butanol) 100 ppm (308 mg/m³) TWA 150 ppm (462 mg/m³) STEL	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 72	2.5	5–200	Up to 8 h STEL 15 min	GC-FID	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
N-Methyl-2-pyrrolidone 10 ppm (40 mg/m³) TWA 20 ppm (80 mg/m³) STEL	MDHS 96	0.5–96 STEL 0.5–3	50–200	Up to 8 h STEL 15 min	GC-NPD, GC-FID	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			—	PS 575-001
Mica (respirable) 0.8 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Molybdenum compounds (insoluble) (as Mo) 10 mg/m³ TWA 20 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Molybdenum compounds (soluble) (as Mo) 5 mg/m³ TWA 10 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
N						
NDI (1,5-Diisocyanatonaphthalene) (as -NCO) (see Isocyanates) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4Δ	480 STEL 15	1000	8 h STEL 15 min	HPLC	[IMP 225-36-4 + IT 225-22] or CST 225-1109 or [IOM 225-79A + FLT, treated: ask Analyt-MTC]
	MDHS 25/4**	960 STEL 15	2000	8 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
NDI (1,5-Diisocyanatonaphthalene) (as -NCO) (vapour only) (see Isocyanates) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4	900 STEL 30	2000	7.5 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
Nickel and its water-insoluble inorganic compounds (except nickel tetracarbonyl) (as Ni) 0.5 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Nickel and its water-soluble inorganic compounds (except nickel tetracarbonyl) (as Ni) 0.1 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Nicotine 0.5 mg/m³ TWA 1.5 mg/m³ STEL	MDHS 96	0.5–600 STEL 0.5–15	100–1000	8 h STEL 15 min	GC-NPD	ST 226-93

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Nitrobenzene 0.2 ppm (1 mg/m³) TWA	MDHS 104	3–6	50	1–2 h	TD, GC	ST 226-357
	MDHS 104§	10–96	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-10
Nitroethane 20 ppm (62 mg/m³) TWA 100 ppm (312 mg/m³) STEL	MDHS 96	1.5–3	10–50	Up to 8 h STEL 15 min	GC-FID	ST 226-3002A
2-Nitropropane 5 ppm (18 mg/m³) TWA	MDHS 96	0.1–2	10–50	Up to 8 h	GC-FID	ST 226-110
O						
Oil mist, from mineral oil-based metalworking fluids	MDHS 84/2	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Omethoate	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Osmium tetraoxide (as Os) 0.0002 ppm (0.002 mg/m³) TWA 0.0006 ppm (0.006 mg/m³) STEL	MDHS 91/2◊	960 STEL 30	2000	8 h STEL 15 min	XRFS	IOM 225-70A + FLT 225-1930
P						
Paracetamol (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Paraquat dichloride (ISO) (respirable dust) 0.08 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Pentaerythritol (inhalable dust) 10 mg/m³ TWA 20 mg/m³ STEL	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F
Pentaerythritol (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Pentan-2-one (2-Pentanone; Methyl propyl ketone) 200 ppm (716 mg/m³) TWA 250 ppm (895 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Pentan-3-one (3-Pentanone; Diethyl ketone) 200 ppm (716 mg/m³) TWA 250 ppm (895 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Pentane 600 ppm (1800 mg/m³) TWA	MDHS 104	1–5.5	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-358
	MDHS 104§	4	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Pentyl acetates (all isomers) (Amyl acetates) 50 ppm (270 mg/m³) TWA 100 ppm (541 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Permethrin	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Peroxodisulphate salts	MDHS 79/2	960	2000	8 h	IC	IOM 225-70A + FLT 225-1911

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
2-Phenylpropene (alpha-Methyl styrene) 50 ppm (246 mg/m³) TWA 100 ppm (491 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
Phosalone	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Phosphorus, yellow 0.1 mg/m³ TWA 0.3 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Phthalic anhydride (PA) 4 mg/m³ TWA 12 mg/m³ STEL	MDHS 62/2	960 STEL 30	2000	8 h STEL 15 min	HPLC-UV	IOM 225-70A + FLT 225-58F + ST 226-35-01
Pirimiphos-Methyl	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Plaster of Paris (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Plaster of Paris (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Platinum compounds, soluble (except certain halogeno-Pt compounds) (as Pt) 0.002 mg/m³ TWA	MDHS 91/2◊	960	2000	8 h	XRFS	IOM 225-70A + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Platinum metal 5 mg/m³ TWA	MDHS 91/2◊	960	2000	8 h	XRFS	IOM 225-70A + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Polyvinyl chloride (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Polyvinyl chloride (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Portland cement (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Portland cement (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Potassium hydroxide 2 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Propan-1-ol (n-Propanol) 200 ppm (500 mg/m³) TWA 250 ppm (625 mg/m³) STEL	MDHS 104	1–8 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Propan-2-ol (2-Propanol; Isopropanol; Isopropyl alcohol) 400 ppm (999 mg/m³) TWA 500 ppm (1250 mg/m³) STEL	MDHS 104	1–4.4 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 104§	0.3–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Propane-1,2-diol (particulates) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Propionaldehyde	MDHS 102	48–480	100–1000	8 h	HPLC-PDA	ST 226-119 or ST 226-120
	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Propranolol 2 mg/m³ TWA 6 mg/m³ STEL	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F
n-Propyl acetate (1-Propyl acetate) 200 ppm (849 mg/m³) TWA 250 ppm (1060 mg/m³) STEL	MDHS 104§	1–10 STEL 1–3	20–200 STEL 10–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Propylene oxide 1 ppm (2.4 mg/m³) TWA	MDHS 104	1	20–100	Up to 0.8 h	GC-FID, GC-MS	ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 96	0.5–5	10–200	Up to 8 h	GC-FID	ST 226-01-50_
Pulverized fuel ash (inhalable dust) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Pulverized fuel ash (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Pyridine 5 ppm (16 mg/m³) TWA 10 ppm (33 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 96	18–150 STEL 15	100–1000 STEL 1000	8 h STEL 15 min	GC-FID	ST 226-01-50_
Pyrocatechol (Catechol) 5 ppm (23 mg/m³) TWA	MDHS 104§	100	1000	100 min	GC-FID, GC-MS	ST 226-57
R						
Refractory ceramic fibres (RCF) & special purpose fibres (total inhalable) 5 mg/m³ TWA	MDHS 59/2	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Refractory ceramic fibres (RCF) & special purpose fibres (respirable fraction) 0.3 fibre/mL TWA	MDHS 59/2	480	1000	8 h	PCM	[FLT/CL 225-54A or FLT/CL 225-54] + FLT 225-1913
Resorcinol 10 ppm (46 mg/m³) TWA 20 ppm (92 mg/m³) STEL	MDHS 104§	5–160	200–1000	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-57
Rhodium metal fume & dust (as Rh) 0.1 mg/m³ TWA 0.3 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Rhodium soluble salts (as Rh) 0.001 mg/m³ TWA 0.003 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Rock wool mineral fibre (see MMMF) (as inhalable dust) 5 mg/m³ TWA	MDHS 59/2 (MDHS 14/4)	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Rock wool mineral fibre (see MMMF) (as respirable fibres) 2 fibres/mL TWA	MDHS 59/2	480	1000	8 h	PCM	[FLT/CL 225-54A or FLT/CL 225-54] + FLT 225-1913
Rosin-based solder flux fume (Colophony) 0.05 mg/m³ TWA 0.15 mg/m³ STEL	MDHS 83/3	960 STEL 30	2000	8 h STEL 15 min	GC-FID	H/SET 225-6200 + MINI 225-6201 + CAL 225-6202 + FLT 225-8050

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Rouge (total inhalable) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Rouge (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Rouge (total inhalable) 10 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Rouge (respirable) 4 mg/m³ TWA	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
Rubber fume (as cyclohexane-soluble material) 0.6 mg/m³ TWA	MDHS 47/3	960	2000	8 h	GR, SE	IOM 225-70A + FLT 225-58F‡
Rubber process dust (with rubber fume determined from same sample) 6 mg/m³ TWA	MDHS 47/3	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F‡
Rubber process dust (only) 6 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
S						
Selenium & compounds (except hydrogen selenide) (as Se) 0.1 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Silica, amorphous (inhalable dust) 6 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Silica, amorphous (respirable dust) 2.4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Silica, fused (respirable dust) 0.08 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Silica, respirable crystalline (respirable fraction) (RCS; Cristobalite, respirable; Quartz, respirable) 0.1 mg/m³ TWA	MDHS 101/2	1440	3000	8 h	IR, XRD	CYC 225-69 + FLT 225-5-25
Silicon (total inhalable) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Silicon (total respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Silicon carbide (not whiskers) (total inhalable) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Silicon carbide (not whiskers) (total respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Silver (soluble compounds as Ag) 0.01 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Silver metallic 0.1 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Slag wool mineral fibre (as inhalable dust) 5 mg/m³ TWA	MDHS 59/2 (MDHS 14/4)	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Slag wool mineral fibre (as MMMF) (as respirable fibres) 2 fibres/mL TWA	MDHS 59/2	480	1000	8 h	PCM	[FLT/CL 225-54A or FLT/CL 225-54] + FLT 225-1913
Softwood dust 5 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Starch (respirable) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Starch (total inhalable) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
Styrene 100 ppm (430 mg/m³) TWA 250 ppm (1080 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100 STEL 20–00†	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-006
	MDHS 104§	1–14 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Sucrose 10 mg/m³ TWA 20 mg/m³ STEL	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F
T						
Talc (respirable dust) 1 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
Tantalum 5 mg/m³ TWA 10 mg/m³ STEL	MDHS 91/2◊	960	2000	8 h	XRFS	IOM 225-70A + FLT 225-1930
	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
2,4-TDI (2,4-Toluene diisocyanate) (as -NCO) (see Isocyanates) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4Δ	480 STEL 15	1000	8 h STEL 15 min	HPLC	[IMP 225-36-4 + IT 225-22] or CST 225-1109 or [IOM 225-79A + FLT, treated: ask Analyt-MTC]
	MDHS 25/4**	960 STEL 15	2000	8 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
2,4-TDI (2,4-Toluene diisocyanate) (as -NCO) (vapour only) (see Isocyanates) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4	900 STEL 30	2000	7.5 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
2,6-TDI (2,6-Toluene diisocyanate) (as -NCO) (see Isocyanates) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4Δ	480 STEL 15	1000	8 h STEL 15 min	HPLC	[IMP 225-36-4 + IT 225-22] or CST 225-1109 or [IOM 225-79A + FLT, treated: ask Analyt-MTC]
	MDHS 25/4**	960 STEL 15	2000	8 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC
2,6-TDI (2,6-Toluene diisocyanate) (as -NCO) (vapour only) (see Isocyanates) 0.02 mg/m³ TWA 0.07 mg/m³ STEL	MDHS 25/4	900 STEL 30	2000	7.5 h STEL 15 min	HPLC	IOM 225-79A + FLT, treated: ask Analyt-MTC

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Tellurium & compounds (except hydrogen telluride) as Te 0.1 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
1,1,2,2-Tetrabromoethane 0.5 ppm (7.2 mg/m³) TWA	MDHS 96	50–100	20–1000	Up to 8 h	GC-FID	ST 226-10
Tetrachloroethylene (Tetrachloroethene; Perchloroethylene) 20 ppm (138 mg/m³) TWA 40 ppm (275 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104§	1–40 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Tetrachlorophthalic anhydride (TCPA)	MDHS 62/2	960	2000	8 h	HPLC-UV	IOM 225-70A + FLT 225-58F + ST 226-35-01
Tetradifon	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Tetrahydrofuran 50 ppm (150 mg/m³) TWA 100 ppm (300 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002
	MDHS 96	1–9 STEL 1–3	10–200	Up to 8 h STEL 15 min	GC-FID	ST 226-01-50_
Thallium (soluble compounds) (as Tl) 0.1 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Tin compounds (inorganic, except SnH4) (as Sn) 2 mg/m³ TWA 4 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Tin compounds (organic, except Cyhexatin (ISO)) (as Sn) 0.1 mg/m³ TWA 0.2 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Titanium dioxide (total inhalable) 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Titanium dioxide (respirable) 4 mg/m³ TWA	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
o-, m-, p-Tolualdehyde	MDHS 102	48–480	100–1000	8 h	HPLC-PDA	ST 226-119 or ST 226-120
o-Tolualdehyde	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100
Toluene 50 ppm (191 mg/m³) TWA 100 ppm (384 mg/m³) STEL	MDHS 104	1–10 STEL 1.0–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104§	1–8 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
o-Toluidine (2-methylaniline) 0.1 ppm (0.5 mg/m³) TWA	MDHS 75/2	200	2000	Up to 8 h	HPLC-UV	IOM 225-70A + FLT 225-58F‡ + ST 226-35
	MDHS 104§	10–150	20–200	Up to 8 h	GC-FID, GC-MS	ST 226-10

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Tolylfluanid	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
Triazophos	MDHS 94/2	960	2000	8 h	GC-MS	IOM 225-70A + FLT 225-58F + ST 226-35-01
1,1,1-Trichloroethane 100 ppm (555 mg/m³) TWA 200 ppm (1110 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 104§	0.1–8 STEL 0.1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Trichloroethylene (1,1,2-Trichloroethene) 100 ppm (550 mg/m³) TWA 150 ppm (820 mg/m³) STEL	MDHS 104§	0.2–30 STEL 0.2–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
	MDHS 104	1–5.6 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
Triglycidyl isocyanurate (TGIC) 0.1 mg/m³ TWA	MDHS 85/2	200	2000	100 min	HPLC-UV	IOM 225-70A + FLT 225-58F
Trimellitic anhydride (TMA; 1,2,4-Benzenetricarboxylic anhydride) 0.04 mg/m³ TWA 0.12 mg/m³ STEL	MDHS 62/2	960 STEL 30	2000	8 h STEL 15 min	HPLC-UV	IOM 225-70A + FLT 225-58F + ST 226-35-01
Trimethylbenzenes (all isomers or mixtures) 25 ppm (125 mg/m³) TWA	MDHS 104	1–10	20–100	Up to 2 h	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 104§	12	50	4 h	GC-FID, GC-MS	ST 226-01-50_
Trimethylbenzene (all isomers or mixtures) 25 ppm (125 mg/m³) TWA	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
3,5,5-Trimethylcyclohex-2-enone 5 ppm (29 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357
	MDHS 96	2–25 STEL 2–3	10–1000	Up to 8 h STEL 15 min	GC-FID	ST 226-93
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
Tungsten & insoluble compounds & others (as W) 5 mg/m³ TWA 10 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Tungsten & soluble compounds (as W) 1 mg/m³ TWA 3 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Turpentine 100 ppm (566 mg/m³) TWA 150 ppm (850 mg/m³) STEL	MDHS 104§	1–10 STEL 1–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
V						
Valeraldehyde	MDHS 102	48–480	100–1000	8 h	HPLC-PDA	ST 226-119 or ST 226-120
	MDHS 102	Diffusive sampling (no pump)			HPLC-PDA	PS 500-100
Vanadium pentoxide 0.05 mg/m³ TWA	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930
Vinyl acetate 5 ppm (17.6 mg/m³) TWA 10 ppm (35.2 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-002

Substance, WEL	Method	Volume, L	Flow, mL/min	Time	Analysis	Order code
Vinyl chloride 1 ppm (2.6 mg/m³) TWA	MDHS 104§	0.7–5	50	Up to 8 h	GC-FID, GC-MS	ST 226-01-50_√
Vinylidene chloride (1,1-dichloroethene) 2 ppm (8 mg/m³) TWA 5 ppm (20 mg/m³) STEL	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001
	MDHS 104§	2.5–7 STEL 2.5–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
W						
Welding fume See specific components	ISO 10882-1:2011	varies	750	varies	GR & others	H/SET 225-6200 + MINI 225-6201 + CAL 225-6202 + FLT 225-8050
Wood dust	MDHS 14/4	See Hardwood dust and Softwood dust.				
Wool process dust 10 mg/m³ TWA	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F
X						
Xylene (o-,m-,p-,or mixed isomers) 50 ppm (220 mg/m³) TWA 100 ppm (441 mg/m³) STEL	MDHS 104	1–10 STEL 1–1.5	20–100	Up to 2 h STEL 15 min	GC-FID, GC-MS	ST 226-357 or ST 226-358
	MDHS 88¥	Diffusive sampling (no pump)			GC-FID	PS 575-001 or PS 575-002
	MDHS 104§	2–23 STEL 2–3	20–200	Up to 8 h STEL 15 min	GC-FID, GC-MS	ST 226-01-50_
Y						
Yttrium 1 mg/m³ TWA 3 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Z						
Zinc chloride (fume) 1 mg/m³ TWA 2 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Zinc distearate (inhalable dust) 10 mg/m³ TWA 20 mg/m³ STEL	MDHS 14/4	960 STEL 30	2000	8 h STEL 15 min	GR	IOM 225-70A + FLT 225-58F
	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930
Zinc distearate (respirable dust) 4 mg/m³ TWA	MDHS 14/4	1440	3000	8 h	GR	CYC 225-69 + FLT 225-58F
	MDHS 14/4	960	2000	8 h	GR	IOM 225-70A + FLT 225-58F + FOAM 225-772
	ISO 15202:2020	1440	3000	8 h	ICP-AES	CYC 225-69 + FLT 225-1930
	ISO 15202:2020	960	2000	8 h	ICP-AES	IOM 225-70A + FLT 225-1930 + FOAM 225-772
Zirconium compounds (as Zr) 5 mg/m³ TWA 10 mg/m³ STEL	ISO 15202:2020	960 STEL 30	2000	8 h STEL 15 min	ICP-AES	IOM 225-70A + FLT 225-1930

CHAPTER 3

Ordering information

Order from Analyt-MTC with the order codes; they are the SKC catalogue numbers in the tables. Analyt-MTC supplies the SKC sorbent tubes, passive samplers, filters and samplers listed in this guide, and the sampling pumps and flowmeters to go with them. Where a table reads **ask Analyt-MTC** — chemically treated filters for isocyanates, for example — contact Analyt-MTC.

Analyt-MTC also helps with choosing a method or sampler, and with questions on the parameters in this guide.

CHAPTER 4

Contacts

Contact

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Before you contact Analyt-MTC

Have the following at hand so that Analyt-MTC can help you quickly:

- the substance and the method (MDHS, ISO or HSG number) you plan to use;
- the catalogue numbers from the tables in Sampling methods A–Z (p. 11);
- the number of samples, and whether you need long-term, short-term or both.

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