

ISO Methods

ISO 3924:2010

Petroleum products - Determination of boiling range distribution - Gas chromatography method

ISO 3924:2010 specifies a method for the determination of the boiling-range distribution of petroleum products. ISO 3924:2010 has successfully been applied to samples containing biodiesel up to 10%.

Calibration Mix Solution 1 - 17 components

n-Hexane (C6)	CAS:110-54-3	600 ug/ml	n-Octadecane (C18)	CAS:593-45-3	500 ug/ml
n-Heptane (C7)	CAS:142-82-5	600 ug/ml	n-Eicosane (C20)	CAS:112-95-8	200 ug/ml
n-Octane (C8)	CAS:111-65-9	800 ug/ml	n-Tetracosane (C24)	CAS:646-31-1	200 ug/ml
n-Nonane (C9)	CAS:111-84-2	800 ug/ml	n-Octacosane (C28)	CAS:630-02-4	50 ug/ml
n-Decane (C10)	CAS:124-18-5	1 200 ug/ml	n-Dotriacontane (C32)	CAS:544-85-4	100 ug/ml
n-Undecane (C11)	CAS:1120-21-4	1 200 ug/ml	n-Hexatriacontane (C36)	CAS:630-06-8	100 ug/ml
n-Dodecane (C12)	CAS:112-40-3	1 200 ug/ml	n-Tetracontane (C40)	CAS:4181-95-7	100 ug/ml
n-Tetradecane (C14)	CAS:629-59-4	1 200 ug/ml	n-Tetratetracontane (C44)	CAS:7098-22-8	100 ug/ml
n-Hexadecane (C16)	CAS:544-76-3	1 000 ug/ml			
Solvent : Chloroform		ampoule 1 ml		Ref : F110061	Price : GF

Calibration Mix Solution 2 – 20 components

n-Pentane (C5)	CAS:109-66-0	n-Dodecane (C12)	CAS:112-40-3	n-Tetracosane (C24)	CAS:646-31-1
n-Hexane (C6)	CAS:110-54-3	n-Tetradecane (C14)	CAS:629-59-4	n-Octacosane (C28)	CAS:630-02-4
n-Heptane (C7)	CAS:142-82-5	n-Pentadecane (C15)	CAS:629-62-9	n-Dotriacontane (C32)	CAS:544-85-4
n-Octane (C8)	CAS:111-65-9	n-Hexadecane (C16)	CAS:544-76-3	n-Hexatriacontane (C36)	CAS:630-06-8
n-Nonane (C9)	CAS:111-84-2	n-Heptadecane (C17)	CAS:629-78-7	n-Tetracontane (C40)	CAS:4181-95-7
n-Decane (C10)	CAS:124-18-5	n-Octadecane (C18)	CAS:593-45-3	n-Tetratetracontane (C44)	CAS:7098-22-8
n-Undecane (C11)	CAS:1120-21-4	n-Eicosane (C20)	CAS:112-95-8		
Solvent : n-Octane		ampoule 1 ml	0.1% (w/w)	Ref : F110071	Price : HF

Column Test Mix -2 components

n-Hexadecane (C16)	CAS:544-76-3	n-Octadecane (C18)	CAS:593-45-3		
Solvent : n-Octane		ampoule 1 ml	1% (w/v)	Ref : F110051	Price : FA

Fuel Oil Degradation/Retention Time Mix C17-C20 – 4 components

n-Heptadecane (C17)	CAS:629-78-7	Phytane	CAS:638-36-8	Pristane	CAS:1921-70-6
n-Octadecane (C18)	CAS:593-45-3				
Solvent : Dichloromethane/Carbon disulfide (1/1)		ampoule 1 ml	2 000 µg/ml	Ref : F110081	Price : DG

Hydrocarbon Window Defining Standard C8-C40 – 35 components

n-Octane (C8)	CAS:111-65-9	Pristane (C19)	CAS:1921-70-6	n-Triacontane (C30)	CAS:638-68-6
n-Nonane (C9)	CAS:111-84-2	n-Eicosane (C20)	CAS:112-95-8	n-Hentriacontane (C31)	CAS:630-04-6
n-Decane (C10)	CAS:124-18-5	Phytane (C20)	CAS:638-36-8	n-Dotriacontane (C32)	CAS:544-85-4
n-Undecane (C11)	CAS:1120-21-4	n-Heneicosane (C21)	CAS:629-94-7	n-Tritriacontane (C33)	CAS:630-05-7
n-Dodecane (C12)	CAS:112-40-3	n-Docosane (C22)	CAS:629-97-0	n-Tetracontane (C34)	CAS:14167-59-0
n-Tridecane (C13)	CAS:629-50-5	n-Tricosane (C23)	CAS:638-67-5	n-Pentatriacontane (C35)	CAS:630-07-9
n-Tetradecane (C14)	CAS:629-59-4	n-Tetracosane (C24)	CAS:646-31-1	n-Hexatriacontane (C36)	CAS:630-06-8
n-Pentadecane (C15)	CAS:629-62-9	n-Pentacosane (C25)	CAS:629-99-2	n-Heptatriacontane (C37)	CAS:7194-84-5
n-Hexadecane (C16)	CAS:544-76-3	n-Hexacosane (C26)	CAS:630-01-3	n-Octatriacontane (C38)	CAS:7194-85-6
n-Heptadecane (C17)	CAS:629-78-7	n-Heptacosane (C27)	CAS:593-49-7	n-Nonatriacontane (C39)	CAS:7194-86-7
n-Octadecane (C18)	CAS:593-45-3	n-Octacosane (C28)	CAS:630-02-4	n-Tetracontane (C40)	CAS:4181-95-7
n-Nonadecane (C19)	CAS:629-92-5	n-Nonacosane (C29)	CAS:630-03-5		
Solvent : Carbon disulfide/Dichloromethane (3/1)		ampoule 1 ml	500 µg/ml	Ref : F061935	Price : KF
		ampoule 5 ml	500 µg/ml	Ref : F110241	Price : DJA

ISO 6488 :1996

Water quality - Determination of certain organochlorine insecticides, polychlorinated biphenyls and chlorobenzenes - Gas chromatographic method after liquid-liquid extraction.

Describes a method for determining certain organochlorine insecticides, polychlorinated biphenyls (PCBs) and chlorobenzenes (except the mono- and dichlorobenzenes) in drinking water, ground water, surface waters and waste waters. The method is applicable to samples containing up to 0,05 g/l of suspended solids.

OCs Pesticide Standard Solution - 20 components

Aldrin	CAS:309-00-2	Dieldrin	CAS:60-57-1	Delta-HCH	CAS:319-86-8
2,4'-DDE	CAS:3424-82-6	Endosulfan-alpha	CAS:959-98-8	epsilon-HCH	CAS:6108-10-7
4,4'-DDE	CAS:72-55-9	Endosulfan-beta	CAS:33213-65-9	Heptachlor	CAS:76-44-8
2,4'-DDD (o,p'-TDE)	CAS:53-19-0	Endrin	CAS:72-20-8	Heptachlor-endo-epoxide	CAS:28044-83-9
4,4'-DDD (TDE)	CAS:72-54-8	Alpha-HCH	CAS:319-84-6	Heptachlor-exo-epoxide	CAS:1024-57-3
2,4'-DDT	CAS:789-02-6	Beta-HCH	CAS:319-85-7	Methoxychlor (DMTD)	CAS:72-43-5
4,4'-DDT	CAS:50-29-3	Gamma-HCH (Lindane)	CAS:58-89-9		
Solvent : Iso-octane		ampoule 1 ml	10 µg/ml	Ref : F147410	Price : EG

OCs/PCBs/ACs Standard Solution - 36 components

Aldrin	CAS:309-00-2	delta -HCH	CAS:319-86-8	PCB 153	CAS:35065-27-1
2,4'-DDE	CAS:3424-82-6	gamma -HCH (Lindane)	CAS:58-89-9	PCB 180	CAS:35065-29-3
4,4'-DDE	CAS:72-55-9	epsilon-HCH	CAS : 6108-10-7	PCB 194	CAS:35694-08-7
4,4'-DDD (TDE)	CAS:72-54-8	Heptachlor	CAS:6108-10-7	Pentachlorobenzene	CAS:608-93-5
2,4'-DDT	CAS:789-02-6	Heptachlor-endo-epoxide	CAS:76-44-8	Pentachloronitrobenzene	CAS:82-68-8
4,4'-DDT	CAS:50-29-3	Heptachlor-exo-epoxide	CAS:28044-83-9	o,p'-TDE	CAS:53-19-0
Dieldrin	CAS:60-57-1	Hexachlorobenzene	CAS:118-74-1	1,2,3,4-Tetrachlorobenzene	CAS:634-66-2
Endosulfan-alpha	CAS:959-98-8	Methoxychlor (DMTD)	CAS:72-43-5	1,2,3,5-Tetrachlorobenzene	CAS:634-90-2
Endosulfan-beta	CAS:33213-65-9	PCB 28	CAS:7012-37-5	1,2,4,5-Tetrachlorobenzene	CAS:95-94-3
Endrin	CAS:72-20-8	PCB 52	CAS:35693-99-3	1,2,3-Trichlorobenzene	CAS:87-61-6
alpha -HCH	CAS:319-84-6	PCB 101	CAS:37680-73-2	1,2,4-Trichlorobenzene	CAS:120-82-1
beta -HCH	CAS:319-85-7	PCB 138	CAS:35065-28-2	1,3,5-Trichlorobenzene	CAS:108-70-3
Solvent : Iso-Octane		ampoule 1 ml	10 µg/ml	Ref : F109230	Price : BEF

ISO 7981-1:2005**Water quality - Determination of polycyclic aromatic hydrocarbons (PAH) - Part 1: Determination of six PAH by high-performance thin-layer chromatography with fluorescence detection after liquid-liquid extraction**

Specifies the determination of six selected polycyclic aromatic hydrocarbons (PAH) in drinking water. The 6 PAH are: fluoranthene, benzo[b]fluoranthene, benzo[a]pyrene, benzo[k]fluoranthene, indeno[1,2,3-cd]pyrene, and benzo[ghi]perylene.

PAH Standard Solution - 6 components

Fluoranthene	CAS:206-44-0	10 µg/ml	Benzo(g,h,i)perylene	CAS:191-24-2	2 µg/ml
Benzo(b)fluoranthene	CAS:205-99-2	2 µg/ml	Benzo(a)pyrene	CAS:50-32-8	2 µg/ml
Benzo(k)fluoranthene	CAS:207-08-9	2 µg/ml	Indeno(1,2,3-c,d)pyrene	CAS:193-39-5	2 µg/ml
Solvent : Acetonitrile		ampoule 5 ml		Ref : F109250	Price : EF

ISO 7981-2:2005**Water quality - Determination of polycyclic aromatic hydrocarbons (PAH) - Part 2: Determination of six PAH by high-performance liquid chromatography with fluorescence detection after liquid-liquid extraction.**

ISO 7981-2:2005 specifies the determination of six selected PAH in drinking, mineral and table waters and ground and surface waters in mass concentrations above 0,005 micrograms per litre by high-performance liquid chromatography with fluorescence detection after liquid-liquid extraction. The six PAH are: fluoranthene, benzo[b]fluoranthene, benzo[a]pyrene, benzo[k]fluoranthene, indeno[1,2,3-cd]pyrene, and benzo[ghi]perylene. With some modification, this method is also applicable for the analysis of moderately polluted waste waters.

PAH Standard Solution - 6 components

Fluoranthene	CAS:206-44-0	Benzo(k)fluoranthene	CAS:207-08-9	Benzo(a)pyrene	CAS:50-32-8
Benzo(b)fluoranthene	CAS:205-99-2	Benzo(g,h,i)perylene	CAS:191-24-2	Indeno(1,2,3-c,d)pyrene	CAS:193-39-5
Solvent : Acetonitrile		ampoule 5 ml	10 µg/ml	Ref : F109260	Price : EF

ISO 8165-1:1992**Water quality - Determination of selected monovalent phenols -- Part 1: Gas-chromatographic method after enrichment by extraction.**

This international method specifies a method for determining phenols by a gas chromatographic method. The determination of selected phenols and nitrophenols in drinking water, ground water and surface water. The method provides a procedure for solid-phase extraction of nitrophenols, followed by solvent elution, derivatization with diazomethane and determination by gas chromatography and mass spectrometry.

Phenol Internal Standard Stock Solution - 1 component

2,4-Dibromophenol	CAS:615-58-7				
Solvent : Acetone		ampoule 5 ml	1000 µg/ml	Ref : F109280	Price : CF

Phenol Standard Stock Solution - 33 components

2-Benzylphenol	CAS:28994-41-4	2,4-Dichloro-3,5-dimethylphenol	CAS:133-53-9	2-Naphthol	CAS:135-19-3
2-Benzyl-4-chlorophenol	CAS:120-32-1	2,3-Dichlorophenol	CAS:576-24-9	Pentachlorophenol	CAS:87-86-5
4-tert-Butyl-2-chlorophenol	CAS:98-28-2	2,4-Dichlorophenol	CAS:120-83-2	Phenol	CAS:108-95-2
2-Chlorophenol	CAS:95-57-8	2,5-Dichlorophenol	CAS:583-78-8	2-Phenylphenol	CAS:90-43-7
3-Chlorophenol	CAS:108-43-0	2,6-Dichlorophenol	CAS:87-65-0	2,3,4,5-Tetrachlorophenol	CAS:4901-51-3
4-Chlorophenol	CAS:106-48-9	2,4-Dimethylphenol	CAS:105-67-9	2,3,4,6-Tetrachlorophenol	CAS:58-90-2
4-Chloro-2-isopropyl-5-methylphenol	CAS:89-68-9	4-Ethylphenol	CAS:123-07-9	2,3,5,6-Tetrachlorophenol	CAS:935-95-5
4-Chloro-2-methylphenol	CAS:1570-64-5	2-Methylphenol	CAS:95-48-7	2,3,5-Trichlorophenol	CAS:933-78-8
4-Chloro-3-methylphenol	CAS:59-50-7	3-Methylphenol	CAS:108-39-4	2,3,6-Trichlorophenol	CAS:933-75-5
2-Chloro-5-methylphenol	CAS:615-74-7	4-Methylphenol	CAS:106-44-5	2,4,5-Trichlorophenol	CAS:95-95-4
2,6-Di-tert-butyl-4-methylphenol	CAS:128-37-0	1-Naphthol	CAS:90-15-3	2,4,6-Trichlorophenol	CAS:88-06-2
Solvent : Methanol purge & trap		ampoule 1 ml	100 µg/ml	Ref : F109270	Price : KA

ISO 8165-2 :1999

Water quality - Determination of selected monovalent phenols - Part 2: Method by derivatization and gas chromatography

This international method specifies a method for the determination of phenols by gas chromatography, following pentafluorobenzoyl chloride derivatization. It may in particular be applied to the examination of drinking water, ground water and moderately contaminated surface water. With this method, lower limits of detection may be obtained compared with extraction procedures.

Internal Control Stock Solution - 1 component

2,4-Dibromophenol CAS:615-58-7
Solvent : Methanol purge & trap ampoule 5 ml 10 µg/ml Ref : F109310 Price : BJ

Phenol Standard Solution - 26 components

Phenol	CAS:108-95-2	2,4-Dichlorophenol	CAS:120-83-2	2-Phenylphenol	CAS:90-43-7
2-Benzylphenol	CAS:28994-41-4	2,5-Dichlorophenol	CAS:583-78-8	2,3,4,5-Tetrachlorophenol	CAS:4901-51-3
2-Chlorophenol	CAS:95-57-8	2,6-Dichlorophenol	CAS:87-65-0	2,3,4,6-Tetrachlorophenol	CAS:58-90-2
3-Chlorophenol	CAS:108-43-0	2,4-Dimethylphenol	CAS:105-67-9	2,3,5,6-Tetrachlorophenol	CAS:935-95-5
4-Chlorophenol	CAS:106-48-9	4-Ethylphenol	CAS:123-07-9	2,3,5-Trichlorophenol	CAS:933-78-8
4-Chloro-2-methylphenol	CAS:1570-64-5	2-Methylphenol	CAS:95-48-7	2,3,6-Trichlorophenol	CAS:933-75-5
4-Chloro-3-methylphenol	CAS:59-50-7	3-Methylphenol	CAS:108-39-4	2,4,5-Trichlorophenol	CAS:95-95-4
2,4-Dichloro-3,5-dimethylphenol	CAS:133-53-9	4-Methylphenol	CAS:106-44-5	2,4,6-Trichlorophenol	CAS:88-06-2
2,3-Dichlorophenol	CAS:576-24-9	Pentachlorophenol	CAS:87-86-5		

Solvent : Methanol purge & trap ampoule 1 ml 30 µg/ml Ref : F129181 Price : HF

Phenol Standard Stock Solution - 31 components

Phenol	CAS:108-95-2	2,6-Di-tert-butyl-4-methylphenol	CAS:128-37-0	Pentachlorophenol	CAS:87-86-5
2-Benzyl-4-chlorophenol	CAS:120-32-1	2,4-Dichloro-3,5-dimethylphenol	CAS:133-53-9	2-Phenylphenol	CAS:90-43-7
2-Benzylphenol	CAS:28994-41-4	2,4-Dimethylphenol	CAS:105-67-9	2,3,4,5-Tetrachlorophenol	CAS:4901-51-3
4-tert-Butyl-2-chlorophenol	CAS:98-28-2	2,3-Dichlorophenol	CAS:576-24-9	2,3,4,6-Tetrachlorophenol	CAS:58-90-2
4-Chloro-2-isopropyl-5-methylphenol	CAS:89-68-9	2,4-Dichlorophenol	CAS:120-83-2	2,3,5,6-Tetrachlorophenol	CAS:935-95-5
4-Chloro-2-methylphenol	CAS:1570-64-5	2,5-Dichlorophenol	CAS:583-78-8	2,3,5-Trichlorophenol	CAS:933-78-8
4-Chloro-3-methylphenol	CAS:59-50-7	2,6-Dichlorophenol	CAS:87-65-0	2,3,6-Trichlorophenol	CAS:933-75-5
2-Chloro-5-methylphenol	CAS:615-74-7	4-Ethylphenol	CAS:123-07-9	2,4,5-Trichlorophenol	CAS:95-95-4
2-Chlorophenol	CAS:95-57-8	2-Methylphenol	CAS:95-48-7	2,4,6-Trichlorophenol	CAS:88-06-2
3-Chlorophenol	CAS:108-43-0	3-Methylphenol	CAS:108-39-4		
4-Chlorophenol	CAS:106-48-9	4-Methylphenol	CAS:106-44-5		

Solvent : Methanol purge & trap ampoule 1 ml 300 µg/ml Ref : F109300 Price : BBA

ISO 9377-2 :2000

Water quality - Determination of hydrocarbon oil index - Part 2: Method using solvent extraction and gas chromatography

The method of choice for the determination of oil and grease in water is based on extraction with hydrocarbon solvent like pentane or hexane.

This test determines the hydrocarbon oil index in water by means of gas chromatography. The method is suitable for surface water, waste water, and water from sewage treatment plants, and allows the determination of the hydrocarbon oil index in concentrations above 0.1 mg/l.

The index is the sum of compounds with retention times between n-decane and n-tetracontane. Substances complying with this definition are long-chain or branched aliphatic, alicyclic, aromatic or alkylsubstituted aromatic hydrocarbons.

ISO 9377-2 :Mod

Water quality - Determination of hydrocarbon oil index down to C7

A modified method for oil in water analysis of produced water from offshore petroleum production installations has recently been taken into force.

ISO 9377-2 is not applicable for volatile hydrocarbons, and a modification of the method is proposed by the OSPAR commission in order to include the determination of certain hydrocarbons with boiling points between 98 and 174 °C from produced water.

The OSPAR Reference Method of Analysis for the Determination of the Dispersed Oil Content in Produced Water.

Mixture of Mineral Oils (A+B) (Diesel Fuel / Lubricating Oil) : 1/1(neat) - 2 components

Mineral Oil 50%	CAS:8042-47-5	Diesel Oil 50%	N/A (id : 381)		
		ampoule 1 ml		Ref : F109631	Price : DF
		ampoule 5 ml		Ref : F061945	Price : KJ

Calibration Mixture of Mineral Oils (A+B) Set - 2 components

Ampoule 1	Blank	n-Hexane		Ampoule 4	Mineral Oil	CAS : 8042-47-5	+ Diesel Oil	0.6 mg/ml each	
Ampoule 2	Mineral Oil	CAS : 8042-47-5	+ Diesel Oil	0.2 mg/ml each	Ampoule 5	Mineral Oil	CAS : 8042-47-5	+ Diesel Oil	0.8 mg/ml each
Ampoule 3	Mineral Oil	CAS : 8042-47-5	+ Diesel Oil	0.4 mg/ml each	Ampoule 6	Mineral Oil	CAS : 8042-47-5	+ Diesel Oil	1.0 mg/ml each
Solvent : n-Hexane				6 ampoules X 1 ml				Ref : F061955	Price : EF
				6 ampoules X 5 ml				Ref : F109681	Price : BDA

Quality Control Standard of Mineral Oils - 2 components

Mineral Oil	CAS:8042-47-5	Diesel Oil	N/A (id : 381)		
Solvent : Acetone	ampoule	1 ml	500 µg/ml each	Ref : P858050	Price : DF
	ampoule	5 ml	500 µg/ml each	Ref : F109641	Price : KJ
	ampoule	1 ml	1 000 µg/ml each	Ref : F061965	Price : DF
	ampoule	5 ml	1 000 µg/ml each	Ref : F145091	Price : KJ
Solvent : n-Hexane	ampoule	1 ml	5 000 µg/ml each	Ref : P858010	Price : DF
	ampoule	5 ml	5 000 µg/ml each	Ref : F109661	Price : KJ
	ampoule	1 ml	10 000 µg/ml each	Ref : F061975	Price : DF
	ampoule	5 ml	10 000 µg/ml each	Ref : F109671	Price : KJ

Florisil Cartridge QC Standard Mixture - 2 components

Mineral Oil	CAS:8042-47-5	Diesel Oil	N/A (id : 381)		
Solvent : n-Hexane	ampoule	1 ml	1 000 µg/ml each	Ref : P858090	Price : DA
	ampoule	5 ml	1 000 µg/ml each	Ref : F109651	Price : FF

Extraction Solvent Stock Solution - 2 components

n-Decane (C10)	CAS:124-18-5	20 µl/l	n-Tetracontane (C40)	CAS:4181-95-7	20 mg/l
Solvent : n-Hexane	ampoule	1 ml		Ref : P858570	Price : DA
	ampoule	10 ml		Ref : F109741	Price : FE
Solvent : n-Hexane/Petroleum ether (1/1)	ampoule	1 ml		Ref : P858530	Price : DA
	ampoule	10 ml		Ref : F109751	Price : FE

Stearyl Stearate Test Solution – 1 component

Stearyl stearate	CAS:2778-96-3				
Solvent : Cyclohexane	ampoule	1 ml	2 000 µg/ml	Ref : P858490	Price : CF
	ampoule	10 ml	2 000 µg/ml	Ref : P858500	Price : JD
Solvent : n-Hexane	ampoule	1 ml	2 000 µg/ml	Ref : P858450	Price : CF
	ampoule	10 ml	2 000 µg/ml	Ref : F109761	Price : JD

BTEX Standard Solution - 6 components

Benzene	CAS:71-43-2	Toluene	CAS:108-88-3	m-Xylene	CAS:108-38-3
Ethylbenzene	CAS:100-41-4	o-Xylene	CAS:95-47-6	p-Xylene	CAS:106-42-3
Solvent : n-Hexane	ampoule	1 ml	200 µg/ml	Ref : F061985	Price : DF
	ampoule	5 ml	200 µg/ml	Ref : F109801	Price : KJ
	ampoule	1 ml	2 000 µg/ml	Ref : F061995	Price : DF
	ampoule	5 ml	2 000 µg/ml	Ref : F109811	Price : KJ

n-Alkane Standard Solution - 6 components

n-Decane (C10)	CAS:124-18-5	n-Eicosane (C20)	CAS:112-95-8	n-Triacontane (C30)	CAS:638-68-6
n-Hexadecane (C16)	CAS:544-76-3	n-Tetracosane (C24)	CAS:646-31-1	n-Tetracontane (C40)	CAS:4181-95-7
Solvent : n-Hexane	ampoule	1 ml	100 µg/ml	Ref : F062005	Price : DA
	ampoule	5 ml	100 µg/ml	Ref : F109791	Price : KJ

n-Alkane Standard Solution - 16 components C10÷C40 (all even)

n-Decane (C10)	CAS:124-18-5	n-Docosane (C22)	CAS:629-97-0	n-Tetracontane (C40)	CAS:4181-95-7
n-Dodecane (C12)	CAS:112-40-3	n-Tetracosane (C24)	CAS:646-31-1	n-Tetracontane (C40)	CAS:4181-95-7
n-Tetradecane (C14)	CAS:629-59-4	n-Hexacosane (C26)	CAS:630-01-3	n-Tetracontane (C40)	CAS:4181-95-7
n-Hexadecane (C16)	CAS:544-76-3	n-Octacosane (C28)	CAS:630-02-4	n-Tetracontane (C40)	CAS:4181-95-7
n-Octadecane (C18)	CAS:593-45-3	n-Triacontane (C30)	CAS:638-68-6	n-Tetracontane (C40)	CAS:4181-95-7
n-Eicosane (C20)	CAS:112-95-8	n-Dotriacontane (C32)	CAS:544-85-4	n-Tetracontane (C40)	CAS:4181-95-7
Solvent : n-Hexane/Petroleum ether (1/1)	ampoule	1 ml	100 µg/ml	Ref : P858130	Price : GA
	ampoule	5 ml	100 µg/ml	Ref : F109771	Price : BGA
Solvent : n-Hexane	ampoule	1 ml	50 µg/ml	Ref : P858170	Price : GA
	ampoule	5 ml	50 µg/ml	Ref : F109781	Price : BGA

n-Alkane Standard Solution - 19 components C7+C8+C9+C10÷C40(all even)

n-Heptane (C7)	CAS:142-82-5	n-Octadecane (C18)	CAS:593-45-3	n-Dotriacontane (C32)	CAS:544-85-4
n-Octane (C8)	CAS:111-65-9	n-Eicosane (C20)	CAS:112-95-8	n-Tetracontane (C40)	CAS:4181-95-7
n-Nonane (C9)	CAS:111-84-2	n-Docosane (C22)	CAS:629-97-0	n-Hexatriacontane (C36)	CAS:630-06-8
n-Decane (C10)	CAS:124-18-5	n-Tetracosane (C24)	CAS:646-31-1	n-Octatriacontane (C38)	CAS:7194-85-6
n-Dodecane (C12)	CAS:112-40-3	n-Hexacosane (C26)	CAS:630-01-3	n-Tetracontane (C40)	CAS:4181-95-7
n-Tetradecane (C14)	CAS:629-59-4	n-Octacosane (C28)	CAS:630-02-4	n-Tetracontane (C40)	CAS:4181-95-7
n-Hexadecane (C16)	CAS:544-76-3	n-Triacontane (C30)	CAS:638-68-6	n-Tetracontane (C40)	CAS:4181-95-7
Solvent : Iso-Octane	ampoule	1 ml	50 µg/ml	Ref : F062015	Price : GF
	ampoule	5 ml	50 µg/ml	Ref : F109821	Price : BJA

n-Alkane Standard Solution - 25 components C7+C8+C9+C10+C40+ BTEX

n-Heptane (C7)	CAS:142-82-5	n-Docosane (C22)	CAS:629-97-0	n-Tetracontane (C40)	CAS:4181-95-7
n-Octane (C8)	CAS:111-65-9	n-Tetracosane (C24)	CAS:646-31-1	Benzene	CAS:71-43-2
n-Nonane (C9)	CAS:111-84-2	n-Hexacosane (C26)	CAS:630-01-3	Ethylbenzene	CAS:100-41-4
n-Decane (C10)	CAS:124-18-5	n-Octacosane (C28)	CAS:630-02-4	Toluene	CAS:108-88-3
n-Dodecane (C12)	CAS:112-40-3	n-Triacontane (C30)	CAS:638-68-6	m-Xylene	CAS:108-38-3
n-Tetradecane (C14)	CAS:629-59-4	n-Dotriacontane (C32)	CAS:544-85-4	o-Xylene	CAS:95-47-6
n-Hexadecane (C16)	CAS:544-76-3	n-Tetraatriacontane (C34)	CAS:14167-59-0	p-Xylene	CAS:106-42-3
n-Octadecane (C18)	CAS:593-45-3	n-Hexatriacontane (C36)	CAS:630-06-8		
n-Eicosane (C20)	CAS:112-95-8	n-Octatriacontane (C38)	CAS:7194-85-6		
Solvent : n-Hexane		ampoule 1 ml	50 µg/ml	Ref : F062025	Price : GA
		ampoule 5 ml	50 µg/ml	Ref : F109851	Price : BHA

ISO 9562 :2004**Water quality - Determination of absorbable organically bound halogens (AOX)**

This European standard specifies a method for the direct determination of an amount of more than 10 microgram/l in water of organically bound chlorine, bromine and iodine (expressed as chloride) absorbable on activated carbon. The concentration of inorganic chloride ions in the test sample (see clause 8) needs to be less than 1 g/l. Samples with higher concentrations need to be diluted prior to analysis. For samples containing suspended solids, halogens adsorbed onto the solid matter are also included.

Stock Solution - 1 component

4-Chlorophenol	CAS:106-48-9	ampoule 1 ml	725 µg/ml	Ref : F128981	Price : CF
Solvent : Water					

Stock Solution - 1 component

2-Chlorobenzoic acid	CAS:118-91-2	ampoule 1 ml	1 104 µg/ml	Ref : F128991	Price : BH
Solvent : Water					

ISO 10301 :1997**Water quality - Determination of highly volatile halogenated hydrocarbons - Gas-chromatographic methods**

This International Standard specifies two methods for the determination of highly volatile halogenated hydrocarbons in drinking water, ground water, swimming pool water, most rivers and lakes and many sewage and industrial effluents using gas chromatography.

VOC Standard Solution - 22 components

Bromochloromethane	CAS:74-97-5	1,1-Dichloroethene	CAS:75-35-4	Tetrachloroethene	CAS:127-18-4
Bromodichloromethane	CAS:75-27-4	cis-1,2-Dichloroethene	CAS:156-59-2	Tetrachloromethane	CAS:56-23-5
Chloroform	CAS:67-66-3	trans-1,2-Dichloroethene	CAS:156-60-5	Tribromomethane	CAS:75-25-2
Dibromochloromethane	CAS:124-48-1	Dichloromethane	CAS:75-09-2	1,1,1-Trichloroethane	CAS:71-55-6
1,2-Dibromoethane	CAS:106-93-4	1,2-Dichloropropane	CAS:78-87-5	1,1,2-Trichloroethane	CAS:79-00-5
Dibromomethane	CAS:74-95-3	1,3-Dichloropropane	CAS:142-28-9	Trichloroethene	CAS:79-01-6
1,1-Dichloroethane	CAS:75-34-3	cis-1,3-Dichloropropene	CAS:10061-01-5		
1,2-Dichloroethane	CAS:107-06-2	trans-1,3-Dichloropropene	CAS:10061-02-6		
Solvent : Iso-Octane		ampoule 10 ml	10 µg/ml	Ref : F128961	Price : GF

ISO 10382:2002**Soil quality - Determination of organochlorine pesticides and polychlorinated biphenyls - Gas-chromatographic method with electron capture detection**

Specifies a method for quantitative determination of seven polychlorinated biphenyls and seventeen organochlorine pesticides in soil. ISO 10382:2002 is applicable to all types of soil.

Multicomponent Stock Solution of PCBs - 7 components

PCB 28	CAS:7012-37-5	PCB 118	CAS:31508-00-6	PCB 180	CAS:35065-29-3
PCB 52	CAS:35693-99-3	PCB 138	CAS:35065-28-2		
PCB 101	CAS:37680-73-2	PCB 153	CAS:35065-27-1		
Solvent : Iso-Octane		ampoule 5 ml	100 µg/ml	Ref : F109831	Price : BEA

Multicomponent Stock Solution of PCBs & Organochlorine Pesticides - 24 components

PCB 28	CAS:7012-37-5	Alpha-HCH	CAS:319-84-6	Heptachlor-exo-epoxide	CAS:1024-57-3
PCB 52	CAS:35693-99-3	Beta-HCH	CAS:319-85-7	Endosulfan-alpha	CAS:959-98-8
PCB 101	CAS:37680-73-2	Gamma-HCH (Lindane)	CAS:58-89-9	4,4'-DDE	CAS:72-55-9
PCB 118	CAS:31508-00-6	Aldrin	CAS:309-00-2	2,4'-DDD	CAS:53-19-0
PCB 138	CAS:35065-28-2	Dieldrin	CAS:60-57-1	2,4'-DDT	CAS:789-02-6
PCB 153	CAS:35065-27-1	Endrin	CAS:72-20-8	4,4'-DDD (TDE)	CAS:72-54-8
PCB 180	CAS:35065-29-3	Heptachlor	CAS:76-44-8	2,4'-DDE	CAS:3424-82-6
Hexachlorobenzene	CAS:118-74-1	Heptachlor-endo-epoxide	CAS:28044-83-9	4,4'-DDT	CAS:50-29-3
Solvent : Iso-Octane		ampoule 1 ml	100 µg/ml	Ref : F109841	Price : KF

ISO 10695 :2000

Water quality - Determination of selected organic nitrogen and phosphorus compounds - Gas chromatographic methods

This International Standard specifies two methods for the determination of certain organic nitrogen and phosphorus compounds in waters by gas chromatography.

NCC / OPP Standard Solution - 12 components

Atrazine	CAS:1912-24-9	Parathion-methyl	CAS:298-00-0	Simazine (CAT)	CAS:122-34-9
Cyanazine	CAS:21725-46-2	Pendimethalin	CAS:40487-42-1	Terbutylazine	CAS:5915-41-3
Metazachlor	CAS:67129-08-2	Propazine	CAS:139-40-2	Trifluralin	CAS:1582-09-8
Parathion-ethyl	CAS:56-38-2	Sebuthylazine	CAS:7286-69-3	Vinclozolin	CAS:50471-44-8
Solvent : Acetone		ampoule 10 ml	10 µg/ml	Ref : F128971	Price : EF

ISO 11369:1997

Water quality - Determination of selected plant treatment agents - Method using high performance liquid chromatography with UV detection after solid-liquid extraction

This International Standard describes a method for the determination of organic plant treatment agents in drinking and ground water using high performance liquid chromatography (HPLC) with UV detection after solid-liquid extraction.

NCC Standard Solution - 17 components

Atrazine	CAS:1912-24-9	Isoproturon	CAS:34123-59-6	Metoxuron	CAS:19937-59-8
Atrazine-desethyl	CAS:6190-65-4	Linuron	CAS:330-55-2	Monolinuron	CAS:1746-81-2
Chlortoluron	CAS:15545-48-9	Metazachlor	CAS:67129-08-2	Sebuthylazine	CAS:7286-69-3
Cyanazine	CAS:21725-46-2	Methabenzthiazuron	CAS:18691-97-9	Simazine (CAT)	CAS:122-34-9
Diuron	CAS:330-54-1	Metobromuron	CAS:3060-89-7	Terbutylazine	CAS:5915-41-3
Hexazinone	CAS:51235-04-2	Metolachlor	CAS:51218-45-2		
Solvent : Acetonitrile		ampoule 10 ml	10 µg/ml	Ref : F129021	Price : EF

ISO 11423-2:1997

Water quality - Determination of benzene and some derivatives - Part 2: Method using extraction and gas chromatography

The method described is applicable to the determination of benzene, methylbenzene (toluene), dimethylbenzenes (xylenes) and ethylbenzene (abbreviated hereafter to BTX) in water and waste water in concentrations above 5 µg/l. High concentrations may be determined by diluting the extract. A number of further derivatives and nonpolar compounds with similar boiling points may also be determined by this method.

ACs Internal Standard Solution - 1 component

Toluene D8	CAS:2037-26-5				
Solvent : Acetone		ampoule 1 ml	50 µg/ml	Ref : F129011	Price : BK

ACs Standard Solution - 6 components

Benzene	CAS:71-43-2	Toluene	CAS:108-88-3	m-Xylene	CAS:108-38-3
Ethylbenzene	CAS:100-41-4	o-Xylene	CAS:95-47-6	p-Xylene	CAS:106-42-3
Solvent : Acetone		ampoule 5 ml	50 ml/l	Ref : F129001	Price : EF
Solvent : Methanol		ampoule 1 ml	100 µg/ml	Ref : F129231	Price : CD

ISO 13877:1998

Soil quality - Determination of polynuclear aromatic hydrocarbons - Method using high performance liquid chromatography

PAH Standard Stock Solution - 16 components

Acenaphthene	CAS:83-32-9	Benzo(g,h,i)perylene	CAS:191-24-2	Indeno(1,2,3-c,d)pyrene	CAS:193-39-5
Acenaphthylene	CAS:208-96-8	Benzo(k)fluoranthene	CAS:207-08-9	Naphthalene	CAS:91-20-3
Anthracene	CAS:120-12-7	Chrysene	CAS:218-01-9	Phenanthrene	CAS:85-01-8
Benzo(a)anthracene	CAS:56-55-3	Dibenzo(a,h)anthracene	CAS:53-70-3	Pyrene	CAS:129-00-0
Benzo(a)pyrene	CAS:50-32-8	Fluoranthene	CAS:206-44-0		
Benzo(b)fluoranthene	CAS:205-99-2	Fluorene	CAS:86-73-7		
Solvent : Acetonitrile		ampoule 5 ml	10 µg/ml	Ref : F109871	Price : GF
		ampoule 1 ml	100 µg/ml	Ref : F109861	Price : GF

ISO 14154:2005

Soil quality - Determination of some selected chlorophenols - Gas chromatographic method with electron-capture detection

ISO 14154:2005 describes the gas chromatographic determination of 15 chlorophenols in soil samples. This method can also be applied to other solid samples such as sediments and solid wastes.

ISO 14154:2005 describes an acid-base liquid extraction, followed by acetylation and then liquid/liquid extraction. Determination of mass concentration is then carried out by gas chromatography and electron-capture detection.

Internal Standard Stock Solution - 1 component

2,4,6-Tribromophenol	CAS:118-79-6	ampoule 5 ml	1.148 mg/ml	Ref: F109891	Price: CC
Solvent: Ethanol					

Chlorophenol Standard, Stock Solution - 15 components

2,3-Dichlorophenol	CAS:576-24-9	400 µg/ml	2,3,4,6-Tetrachlorophenol	CAS:58-90-2	600 µg/ml
2,4-Dichlorophenol	CAS:120-83-2	400 µg/ml	2,3,4-Trichlorophenol	CAS:15950-66-0	400 µg/ml
2,5-Dichlorophenol	CAS:583-78-8	400 µg/ml	2,3,5-Trichlorophenol	CAS:933-78-8	400 µg/ml
2,6-Dichlorophenol	CAS:87-65-0	400 µg/ml	2,3,6-Trichlorophenol	CAS:933-75-5	400 µg/ml
3,4-Dichlorophenol	CAS:95-77-2	400 µg/ml	2,4,5-Trichlorophenol	CAS:95-95-4	400 µg/ml
3,5-Dichlorophenol	CAS:591-35-5	400 µg/ml	2,4,6-Trichlorophenol	CAS:88-06-2	600 µg/ml
Pentachlorophenol	CAS:87-86-5	1 000 µg/ml	3,4,5-Trichlorophenol	CAS:609-19-8	200 µg/ml
2,3,4,5-Tetrachlorophenol	CAS:4901-51-3	200 µg/ml			
Solvent: Ethanol					
ampoule 1 ml			Ref: F109881		Price: HF

Chlorophenyl Acetate Standard, Stock Solution - 15 components

2,3-Dichlorophenol acetate	CAS:61925-85-7	503 µg/ml	2,3,5-Trichlorophenol acetate	CAS:61925-88-0	485 µg/ml
2,4-Dichlorophenol acetate	CAS:6341-97-5	503 µg/ml	2,3,6-Trichlorophenol acetate	CAS:61925-87-9	485 µg/ml
2,5-Dichlorophenol acetate	CAS:30124-46-0	503 µg/ml	2,4,5-Trichlorophenol acetate	CAS:5393-75-9	485 µg/ml
2,6-Dichlorophenol acetate	CAS:28165-71-1	503 µg/ml	2,4,6-Trichlorophenol acetate	CAS:23399-90-8	728 µg/ml
3,4-Dichlorophenol acetate	CAS:17847-51-7	503 µg/ml	3,4,5-Trichlorophenol acetate	id: 15591	243 µg/ml
3,5-Dichlorophenol acetate	CAS:61925-86-8	503 µg/ml	2,3,4,5-Tetrachlorophenol acetate	id: 14700	250 µg/ml
Pentachlorophenol acetate	CAS:1441-02-7	1 158 µg/ml	2,3,4,6-Tetrachlorophenol acetate	id: 14720	750 µg/ml
2,3,4-Trichlorophenol acetate	id: 15561	485 µg/ml			
Solvent: Ethanol					
ampoule 1 ml			Ref: F109901		Price: CBA

ISO 15009:2002**Soil quality - Gas chromatographic determination of the content of volatile aromatic hydrocarbons, naphthalene and volatile halogenated hydrocarbons - Purge-and-trap method with thermal desorption****Internal Stock Standard Solution for aromatic hydrocarbons - 2 components**

Ethylbenzene D10	CAS:25837-05-2	Toluene D8	CAS:2037-26-5		
Solvent: Methanol purge & trap					
ampoule 1 ml			2 000 µg/ml	Ref: F062035	Price: CF
ampoule 5 ml			2 000 µg/ml	Ref: F109911	Price: HF

Internal Stock Standard Solution for volatile halogenated hydrocarbons - 3 components

2-Bromofluorobenzene	CAS:1072-85-1	1,4-Dichlorobutane	CAS:110-56-5	α, α, α -Trifluorotoluene	CAS:98-08-8
Solvent: Methanol purge-&-trap					
ampoule 1 ml			2 000 µg/ml	Ref: F062045	Price: CA
ampoule 5 ml			2 000 µg/ml	Ref: F109921	Price: GF

Volatile Aromatic Hydrocarbons - 8 components

Benzene	CAS:71-43-2	Styrene	CAS:100-42-5	m-Xylene	CAS:108-38-3
Ethylbenzene	CAS:100-41-4	Toluene	CAS:108-88-3	p-Xylene	CAS:106-42-3
Naphthalene	CAS:91-20-3	o-Xylene	CAS:95-47-6		
Solvent: Methanol purge & trap					
ampoule 1 ml			4 000 µg/ml	Ref: F062055	Price: CF
ampoule 5 ml			4 000 µg/ml	Ref: F109931	Price: JA

Volatile Halogenated Hydrocarbons - 18 components

3-Chloropropene	CAS:107-05-1	Dichloromethane	CAS:75-09-2	Tetrachloromethane	CAS:56-23-5
1,2-Dichlorobenzene	CAS:95-50-1	1,2-Dichloropropane	CAS:78-87-5	1,1,1-Trichloroethane	CAS:71-55-6
1,1-Dichloroethane	CAS:75-34-3	cis-1,3-Dichloropropene	CAS:10061-01-5	1,1,2-Trichloroethane	CAS:79-00-5
1,2-Dichloroethane	CAS:107-06-2	trans-1,3-Dichloropropene	CAS:10061-02-6	Trichloroethene	CAS:79-01-6
cis-1,2-Dichloroethene	CAS:156-59-2	Monochlorobenzene	CAS:108-90-7	Trichloromethane	CAS:67-66-3
trans-1,2-Dichloroethene	CAS:156-60-5	Tetrachloroethene	CAS:127-18-4	1,2,3-Trichloropropane	CAS:96-18-4
Solvent: Methanol purge & trap					
ampoule 1 ml			4 000 µg/ml	Ref: F062065	Price: BCA
ampoule 5 ml			4 000 µg/ml	Ref: F109941	Price: EJA

ISO 15680:2003**Water quality - Gas chromatographic determination of a number of monocyclic aromatic hydrocarbons, naphthalene and several chlorinated compounds using purge-and-trap and thermal desorption**

ISO 15680:2003 specifies a general method for the determination of volatile organic compounds (VOCs) in water by purge-and-trap isolation and gas chromatography (GC). ISO 15680:2003 is applicable to drinking water, ground water, surface water, seawater and to (diluted) waste water.

ACs Internal Stock Standard Solution - 4 components

1,4-Difluorobenzene	CAS:540-36-3	Fluorobenzene	CAS:462-06-6	Monochlorobenzene D5	CAS:3114-55-4
1,4-Dichlorobenzene D4	CAS:3855-82-1				
Solvent: Methanol purge & trap					
ampoule 1 ml			2 000 µg/ml	Ref: F062075	Price: DF
ampoule 5 ml			2 000 µg/ml	Ref: F109951	Price: BCA

VOC Stock Calibration Standard Solution 1- 14 components

Bromochloromethane	CAS:74-97-5	1,1-Dichloroethane	CAS:75-34-3	2,2-Dichloropropane	CAS:594-20-7
Bromomethane	CAS:74-83-9	1,1-Dichloroethene	CAS:75-35-4	1,1,1-Trichloroethane	CAS:71-55-6
Chloroethane	CAS:75-00-3	cis-1,2-Dichloroethene	CAS:156-59-2	Trichlorofluoromethane	CAS:75-69-4
Chloromethane	CAS:74-87-3	trans-1,2-Dichloroethene	CAS:156-60-5	Trichloromethane	CAS:67-66-3
Dichlorodifluoromethane	CAS:75-71-8	Dichloromethane	CAS:75-09-2		
Solvent : Methanol purge & trap		ampoule 1 ml	2 000 µg/ml	Ref : F062085	Price : JF
		ampoule 5 ml	2 000 µg/ml	Ref : F109961	Price : DCA

VOC Stock Calibration Standard Solution 2 - 13 components

Benzene	CAS:71-43-2	1,2-Dichloropropane	CAS:78-87-5	Toluene	CAS:108-88-3
Bromodichloromethane	CAS:75-27-4	1,1-Dichloropropene	CAS:563-58-6	1,1,2-Trichloroethane	CAS:79-00-5
1,2-Dibromoethane	CAS:106-93-4	cis-1,3-Dichloropropene	CAS:10061-01-5	Trichloroethene	CAS:79-01-6
Dibromomethane	CAS:74-95-3	trans-1,3-Dichloropropene	CAS:10061-02-6		
1,2-Dichloroethane	CAS:107-06-2	Tetrachloromethane	CAS:56-23-5		
Solvent : Methanol purge & trap		ampoule 1 ml	2 000 µg/ml	Ref : F062095	Price : JA
		ampoule 5 ml	2 000 µg/ml	Ref : F109971	Price : CJA

VOC /ACs Stock Calibration Standard Solution 3 - 11 components

Dibromochloromethane	CAS:124-48-1	Styrene	CAS:100-42-5	m-Xylene	CAS:108-38-3
1,3-Dichloropropane	CAS:142-28-9	1,1,1,2-Tetrachloroethane	CAS:630-20-6	o-Xylene	CAS:95-47-6
Ethylbenzene	CAS:100-41-4	Tetrachloroethene	CAS:127-18-4	p-Xylene	CAS:106-42-3
Monochlorobenzene	CAS:108-90-7	Tribromomethane	CAS:75-25-2		
Solvent : Methanol purge & trap		ampoule 1 ml	2 000 µg/ml	Ref : F062105	Price : CA
		ampoule 5 ml	2 000 µg/ml	Ref : F109981	Price : JA

Stock Calibration Standard Solution 4 - 22 components

Bromobenzene	CAS:108-86-1	1,3-Dichlorobenzene	CAS:541-73-1	1,2,3-Trichlorobenzene	CAS:87-61-6
n-Butylbenzene	CAS:104-51-8	1,4-Dichlorobenzene	CAS:106-46-7	1,2,4-Trichlorobenzene	CAS:120-82-1
sec-Butylbenzene	CAS:135-98-8	Hexachlorobutadiene	CAS:87-68-3	1,3,5-Trichlorobenzene	CAS:108-70-3
tert-Butylbenzene	CAS:98-06-6	Isopropylbenzene	CAS:98-82-8	1,2,3-Trichloropropane	CAS:96-18-4
2-Chlorotoluene	CAS:95-49-8	4-Isopropyltoluene	CAS:99-87-6	1,2,4-Trimethylbenzene	CAS:95-63-6
4-Chlorotoluene	CAS:106-43-4	Naphthalene	CAS:91-20-3	1,3,5-Trimethylbenzene	CAS:108-67-8
1,2-Dibromo-3-chloropropane	CAS:96-12-8	n-Propylbenzene	CAS:103-65-1		
1,2-Dichlorobenzene	CAS:95-50-1	1,1,2,2-Tetrabromoethane	CAS:79-27-6		
Solvent : Methanol purge & trap		ampoule 1 ml	2 000 µg/ml	Ref : F062155	Price : DF
		ampoule 5 ml	2 000 µg/ml	Ref : F109991	Price : BDA

ISO 15753:2006**Animal and vegetable fats and oils - Determination of polycyclic aromatic hydrocarbons**

ISO 15753:2006 describes two methods for the determination of 15 polycyclic aromatic hydrocarbons (PAHs) in animal and vegetable fats and oils: a general method, and a method specific for coconut oil and short-chain vegetable oils.

These methods are not quantitative for the very volatile compounds such as naphthalene, acenaphthene and fluorene. Due to interferences provided by the matrix itself, palm oil and olive pomace oil cannot be analysed using this method.

Multiple Compound Standard Solution - 15 components

Acenaphthene	CAS:83-32-9	Benzo(g,h,i)perylene	CAS:191-24-2	Fluorene	CAS:86-73-7
Anthracene	CAS:120-12-7	Benzo(k)fluoranthene	CAS:207-08-9	Indeno(1,2,3-c,d)pyrene	CAS:193-39-5
Benzo(a)anthracene	CAS:56-55-3	Chrysene	CAS:218-01-9	Naphthalene	CAS:91-20-3
Benzo(a)pyrene	CAS:50-32-8	Dibenzo(a,h)anthracene	CAS:53-70-3	Phenanthrene	CAS:85-01-8
Benzo(b)fluoranthene	CAS:205-99-2	Fluoranthene	CAS:206-44-0	Pyrene	CAS:129-00-0
Solvent : Acetonitrile		ampoule 1 ml	200 µg/ml	Ref : F110011	Price : HF
Solvent : Acetonitrile/THF/Methanol (1/1/1)		ampoule 10 ml	200 µg/ml	Ref : F146591	Price : CGA
Solvent : Toluene		ampoule 1 ml	100 µg/ml	Ref : F110001	Price : GF

ISO 15913:2000**Water quality - Determination of selected phenoxyalkanoic herbicides, including bentazones and hydroxybenzoxynitriles by gas chromatography and mass spectrometry after solid phase extraction and derivatization.**

This standard specifies a method for the determination of phenoxyalkanoic acids in ground and drinking water in mass concentrations > 0,05 Bµg/l. The single substances are listed in the above mentioned standard. The method includes a solid-liquid extraction, derivatization and gas chromatography with MS detection.

Phenoxyacetic Herbicides Standard Solution - 10 components

Bentazone	CAS:25057-89-0	Dichloroprop	CAS:120-36-5	Mecoprop (MCP)	CAS:7085-19-0
Bromoxynil	CAS:1689-84-5	Fenoprop	CAS:93-72-1	2,4,5-Trichlorophenoxy acetic acid	CAS:93-76-5
2,4-D	CAS:94-75-7	MCPA	CAS:94-74-6		
2,4-DB	CAS:94-82-6	MCPB	CAS:94-81-5		
Solvent : Acetone		ampoule 1 ml	500 µg/ml	Ref : F129031	Price : EF

ISO 18287:2006

Soil quality - Determination of polycyclic aromatic hydrocarbons (PAH) - Gas chromatographic method with mass spectrometric detection (GC-MS)

ISO 18287:2006 specifies the quantitative determination of 16 polycyclic aromatic hydrocarbons (PAH) according to the priority list of the Environmental Protection Agency, USA (EPA, 1982). ISO 18287:2006 is applicable to all types of soil (field-moist or chemically dried samples), covering a wide range of PAH contamination levels. Under the conditions specified in ISO 18287:2006, a lower limit of application of 0,01 mg/kg (expressed as dry matter) can be ensured for each individual PAH.

PAH Standard Solution -16 components

Acenaphthene	CAS:83-32-9	Benzo(g,h,i)perylene	CAS:191-24-2	Indeno(1,2,3-c,d)pyrene	CAS:193-39-5
Acenaphthylene	CAS:208-96-8	Benzo(k)fluoranthene	CAS:207-08-9	Naphthalene	CAS:91-20-3
Anthracene	CAS:120-12-7	Chrysene	CAS:218-01-9	Phenanthrene	CAS:85-01-8
Benzo(a)anthracene	CAS:56-55-3	Dibenz(a,h)anthracene	CAS:53-70-3	Pyrene	CAS:129-00-0
Benzo(a)pyrene	CAS:50-32-8	Fluoranthene	CAS:206-44-0		
Benzo(b)fluoranthene	CAS:205-99-2	Fluorene	CAS:86-73-7		
Solvent : Cyclohexane		ampoule 1 ml	100 µg/ml	Ref : F062135	Price : FF
		ampoule 1 ml	200 µg/ml	Ref : F131381	Price : JA

ISO 18856:2004

Water quality - Determination of selected phthalates using gas chromatography/mass spectrometry

This future standard will specify a method for the determination of phthalates in water after solid phase extraction and gas chromatography - mass spectrometry. The method is applicable to the determination of phthalates (a list of common phthalates is included in ISO/CD 18856) in ground water, surface water, waste water and drinking water in mass concentrations between 0,02 Bµg/l and 0,150 Bµg/l, depending on the individual substance. The applicability of the method to other phthalates not given in the table is not excluded, but shall be verified in each case.

Phthalates Standard Solution -11 components

Butyl benzyl phthalate	CAS:85-68-7	Di-2-ethylhexylphthalate	CAS:117-81-7	Di-n-octylphthalate	CAS:117-84-0
Dibutylphthalate	CAS:84-74-2	Diethyl phthalate	CAS:84-66-2	Diundecyl phthalate	CAS:3648-20-2
Dicyclohexyl phthalate	CAS:84-61-7	Di-iso-butylphthalate	CAS:84-69-5	Phthalic acid, bis-propyl ester	CAS:131-16-8
Didecyl phthalate	CAS:84-77-5	Dimethyl phthalate	CAS:131-11-3		
Solvent : Ethyl Acetate		ampoule 1 ml	1 000 µg/ml	Ref : F129191	Price : DC

ISO 18857-1:2005

Water quality - Determination of selected alkylphenols - Part 1: Method for non-filtered samples using liquid-liquid extraction and gas chromatography with mass selective detection

This part of ISO 18857 specifies a method for the determination of 4-nonylphenol (mixture of isomers) and 4-(1,1,3,3-tetramethylbutyl)phenol in non-filtered samples of drinking water, ground water and surface water. The method is applicable in a concentration range from 0,005 Bµg/l to 0,2 Bµg/l for 4-(1,1,3,3-tetramethylbutyl)phenol and from 0,02 Bµg/l to 0,2 Bµg/l for 4-nonylphenol (mixture of isomers). Depending on the matrix, the method is also applicable to waste water in a concentration range from 0,1 Bµg/l to 50 Bµg/l. Higher concentrations may be measured after appropriate dilution of the sample.

Phenol Calibration Standard - 1 component

Solvent : Toluene

4-Nonylphenol (technical)	CAS:84852-15-3	ampoule 1 ml	100 µg/ml	Ref : F129201	Price : BG
4-tert- Octylphenol	CAS:140-66-9	ampoule 1 ml	100 µg/ml	Ref : F129211	Price : BG

ISO 23631 :2006

Water quality - Determination of dalapon, trichloroacetic acid and selected haloacetic acids - Method using gas chromatography (GC-ECD and/or GC-MS detection) after liquid-liquid extraction and derivatization

ISO 23631:2006 specifies a method for the determination of dalapon, trichloroacetic acid (TCA) and selected haloacetic acids in ground water and drinking water by gas chromatography (GC-ECD and/or GC-MS detection) after liquid-liquid-extraction and derivatization using diazomethane. Depending on the matrix, the method is applicable to a concentration range from 0,5 to 10 micrograms per litre.

Standard Solution - 7 components

Bromochloroacetic Acid	CAS:5589-96-8	Dichloroacetic Acid	CAS:79-43-6	Trichloroacetic acid	CAS:76-03-9
Dalapon	CAS:75-99-0	Monobromoacetic Acid	CAS:79-08-3		
Dibromoacetic acid	CAS:631-64-1	Monochloroacetic Acid	CAS:79-11-8		
Solvent : Methyl-tert.butylether		ampoule 10 ml	10 µg/ml	Ref : F129500	Price : EF

Standard Solution - 7 components

Bromochloroacetic acid-methyl ester	CAS:20428-74-4	Dichloroacetic acid-methyl ester	CAS:116-54-1	Trichloroacetic acid-methyl ester	CAS:598-99-2
Dalapon methyl ester	CAS:17640-02-7	Monobromoacetic Acid	CAS:96-32-2		
Dibromoacetic acid-methyl ester	CAS:6482-26-4	Monochloroacetic Acid	CAS:96-34-4		
Solvent : Methyl-tert.butylether		ampoule 10 ml	10 µg/ml	Ref : F129510	Price : EF