

# TEST REPORT

Technical Report	1820977	01/10/2018
Date Received	13/07/2018	Page 1 of 23
Factory Company Name: Factory Address:	Italclab spa Via Bore Tesino, 16, 63066 Grottamare (Av)	
Sample Type: Sample Pick Up Date:	Wastewater - Grab Samples	
Discharge Type:	Direct Discharge	
Wastewater Discharge to:	Factory Owned ETP	
(ETP).	Yes	
Test Period: Testing Option:	I001 Untreated Wastewater	

## **REMARK**

Sampling was performed directly by client Sampling extraction, Cr VI and Formaldehyde test were performed at Bureau Veritas Certest srl, Via Risorgimento 16, San Miniato, Italy Instrumental tests were executed at Bureau Veritas Germany – Wilhelm-Hennemann-Str. 8 Schwerin, Germany

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Photo of the Sample



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# **Executive Summary**

	I001
Glycols	0
Michlers base and ketone	0
Acrylonitrile and 1,3-Butadiene	0
Acrylamide	0
Bisphenol A	0
Epichlorohydrine	0
Ethylacrylate	0
Formaldehyde	0
APs and APEOs	•
SCCP	0
Heavy Metal & compounds	•
Phthalates	0
Flame Retardants	•
PAHs	0
N-nitrosamine	0
Azo Dyes	0
Organotin Compounds	0
Perfluorinated and Polyfluorinated	0
Chlorobenzenes and Chlorotoluenes	•
Chlorophenols	0
Chlorinated solvents	•
Disperse and Carcinogenic Dyes	0

Note / Key :

- • Detected
- o Not Detected

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# **Test Result**

## **Glycols**

## Test Method / Standard:

Glycol ethers: With reference to USEPA 8270, GC-MS analysis, reporting limit: 5 mg/l

Glycols	I001 (mg/l)
Bis(2-methoxyethyl)-ether	<5 mg/l
2-Ethoxyethanol (Ethylene glycol monoethyl ether)	<5 mg/l
2-Ethoxyethyl acetate	<5 mg/l
Ethylene glycol dimethyl ether	<5 mg/l
2-Methoxyethyl acetate (Ethylene glycol monomethyl ethyl acetate)	<5 mg/l
Triethylene glycol dimethyl ether (Triglyme)	<5 mg/l
Ethylene glycol	<5 mg/l
1,2-Diethoxyethane	<5 mg/l
2-Methoxyethanol (Ethylene glycol monomethyl ether)	<5 mg/l

## Michlers base and ketone

#### **Test Method / Standard:**

Michlers base and ketone: With reference to EPA 8270D, LC-MS analysis, reporting limit: 50 µg/l

Michlers base and ketone	I001 (ug/l)
Michler's base (N,N,N',N'-tetramethyl- 4,4'methylenedianiline)	<50 µg/l
Michler's ketone (4,4'- bis(dimethylamino)benzophenone)	<50 µg/l

# Acrylonitrile and 1,3-Butadiene

#### **Test Method / Standard:**

Acrylonitrile and 1,3-Butadiene: With reference to USEPA 8260B, GC-MS analysis, reporting limit: 0.01 µg/ml

Acrylonitrile and 1,3-Butadiene	I001 (ug/l)
Acrylonitrile	<0.01 µg/ml
1,3-Butadiene	<0.01 µg/ml

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## **Acrylamide**

## Test Method / Standard:

Acrylamide: With reference to USEPA 8032A, LC-MS analysis, reporting limit: 50 µg/l

Acrylamide	I001 (ug/l)
Acrylamide	$< 50  \mu g/l$

#### **Bisphenol** A

#### Test Method / Standard:

Bisphenol A: With reference to ASTM International Standard ASTM D7065, LC-QQQ analysis, reporting limit: 5 µg/l

Bisphenol A	I001 (ug/l)
Bisphenol A	<5 µg/l

## **Epichlorohydrine**

#### **Test Method / Standard:**

Epichlorohydrine content: With reference to USEPA 8260B, GC-MS analysis, reporting limit: 0.1 µg/ml

Epichlorohydrine content	I001 (ug/ml)
Epichlorohydrine	<0.1 µg/ml

## **Ethylacrylate**

#### Test Method / Standard:

Ethylacrylate: BVCPS inhouse method, GC-MS analysis, reporting limit: 0.1 µg/ml

Epichlorohydrine content	I001 (ug/ml)
Ethylacrylate	<0.1 µg/ml

#### Formaldehyde

#### Test Method / Standard:

Formaldehyde: in house method UV-VS, reporting limit: 1 mg/l

Formaldehyde content	I001 (mg/l)
Formaldehyde	<1 mg/ml

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## **APs and APEOs**

## Test Method / Standard:

Alkylphenol<br/>s & Alkylphenolethoxylates: With reference to ASTM International Standard ASTM D<br/>7065, reporting limit: 1  $\mu g/l$ 

APs and APEOs	I001 (ug/l)
Octylphenol OP, mixed isomers	<1 µg/l
Nonylphenol NP	<1 µg/l
Octyphenol monoethoxylates (OPEO n=1)	<1 µg/l
Octylphenolethoxylates (OPEO n=2 to n=18)	$<1 \ \mu g/l$
Nonylphenol monoethoxylates (NPEO n=1	$<1 \ \mu g/l$
Nonylphenolethoxylates (NPEO n=2 to n=18)	46 µg/l

## **SCCP**

## Test Method / Standard:

Short Chain Chlorinated Paraffins: With reference to International Standard ISO 12010, reporting limit: 0.4 µg/l

SCCP	I001 (ug/l)
Short chained chlorinated paraffines, C10-C13	$<0.4 \ \mu g/l$

# **Heavy Metals**

## Test Method / Standard:

Heavy metals, total content & Chromium VI: With reference to U.S. EPA 3015A, with reference to U.S. EPA 6020A and with reference to U.S. EPA 7196A, reporting limits: Cd:  $0.1 \mu g/l$ , B:  $5 \mu g/l$ , Hg:  $0.05 \mu g/l$ , Each (Others):  $1 \mu g/l$ 

Heavy metals	I001 (ug/l)
Cadmium (Cd)	0.175 μg/l
Chromium (Cr)	39.1 µg/l
Lead (Pb)	3.41 µg/l
Mercury (Hg)	0.302 µg/l
Chromium VI	<1 µg/l

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## <u>Metals</u>

## Test Method / Standard:

Heavy metals, total content & Chromium VI: With reference to U.S. EPA 3015A, with reference to U.S. EPA 6020A and with reference to U.S. EPA 7196A, reporting limits metals: 0.001 mg/l; reporting limits metal compounds: 0.05 mg/l;

Heavy metals	I001 (mg/l)
Antimony (Sb)	0.00679 mg/l
Antimony compounds (come Sb)	< 0.05 mg/l
Arsenic	< 0.001 mg/l
Arsenic compounds (come As)	< 0.05 mg/l
Cobalt (Co)	0.0537 mg/l
Cobalt compounds (Co)	< 0.05 mg/l
Nickel (Ni)	0.0317 mg/l
Nickel compounds (as Ni)	< 0.05 mg/l

#### **Phthalates**

#### **Test Method / Standard:**

Phthalates: With reference to USEPA 8270D, reporting limit: 1  $\mu$ g/L

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Phthalatas	$I001 (\mu q/I)$
1 Itilalates	<1 µg/l
Benzylbutylphthalate (BBP)	<1 µg/1
Dibutylphthalate (DBP)	$<1 \ \mu g/l$
Di(2-ethylhexyl)phthalate (DEHP)	$<1 \ \mu g/l$
Di-n-octylphthalate (DNOP)	$<1 \ \mu g/l$
Di-iso-nonylphthalate (DINP)	$<1 \ \mu g/l$
Di-iso-decylphthalate (DIDP)	$<1 \ \mu g/l$
Diethylphthalate (DEP)	$<1 \ \mu g/l$
Di-n-propylphthalate (DPRP)	$<1 \ \mu g/l$
Di-iso-butylphthalate (DIBP)	$<1 \ \mu g/l$
Dicyclohexylphthalate (DCHP)	$<1 \ \mu g/l$
Di-n-hexylphthalate (DnHP)	<1 µg/l
Dinonylphthalate (DNP)	$<1 \ \mu g/l$
Di-iso-octylphthalate (DIOP)	$<1 \ \mu g/l$
Bis(2-methoxyethyl)phthalate (DMEP)	$<1 \ \mu g/l$
1,2-Benzenedicarboxylic acid, di C6-8 branched alkyl esters, C7-rich (DIHP)	$<1 \ \mu g/l$
1,2-Benzenedicarboxylic acid, di C7-11- branched and linear alkyl esters (DHNUP)	$<1 \ \mu g/l$
Di-n-pentylphthalate (DnPP)	$<1 \ \mu g/l$
Di-iso-pentylphthalate (DiPP)	$<1 \ \mu g/l$
1,2-Benzenedicarboxylic acid, dihexylester, branched and linear (DHP)	$<1 \ \mu g/l$
Diisohexylphthalate (DIHxP)	$<1 \ \mu g/l$
1,2-benzenedicarboxylic acid, di C6-10-alkyl esters	$<1 \ \mu g/l$
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl di esters with $\geq 0.3\%$ of dehexylphthalate (EC 201-559-5)	<1 µg/l

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#### Flame retardants

## Test Method / Standard:

Flame retardants: With reference to U.S. EPA 527 and with reference to U.S. EPA 8321B

Flame retardants	I001 (ug/l)
Monobromodiphenylether (MonoBDE)	$<5 \mu g/l$
Dibromodiphenylether (DiBDE)	$<5 \mu g/l$
Tribromodiphenylether (TriBDE)	$<5 \ \mu g/l$
Tetrabromodiphenylether (TetraBDE)	$<5 \ \mu g/l$
Pentabromodiphenylether (PentaBDE)	$<5 \ \mu g/l$
Hexabromodiphenylether (HexaBDE)	$<5 \ \mu g/l$
Heptabromodiphenylether (HeptaBDE)	$<5 \mu g/l$
Octabromodiphenylether (OctaBDE)	$<5 \ \mu g/l$
Nonabromodiphenylether (NonaBDE)	$<5 \ \mu g/l$
Decabromodiphenylether (DecaBDE)	$<5 \ \mu g/l$
Tris-(2,3-dibromopropyl)phosphate (TRIS)	$<5 \ \mu g/l$
Tris (2-chloroethyl)phosphate (TCEP)	$<5 \ \mu g/l$
Hexabromocyclododecane (HBCDD)	$<5 \ \mu g/l$
Tetrabromobisphenol A (TBBPA)	$<5 \ \mu g/l$
Bis (2,3-dibromopropyl) phosphate (BIS)	$<5 \ \mu g/l$
Tris (2-chloroisopropyl) phosphate (TCPP)	$<5 \ \mu g/l$
Tris (1,3-Dichloroisopropyl)phosphate (TDCP)	$<5 \ \mu g/l$
Calculation to Boric acid theoretical	1280 µg/l
Calculation to Diboron trioxide theoretical	721 µg/l
Calculation to Sodium tetraborate theoretical	1040 µg/l
Calculation to Sodium perborate tetrahydrate theoretical	2070 µg/l
Calculation to Sodium perborate monohydrate theoretical	3180 µg/l
Calculation to Di Sodium tetraborate n hydrate theoretical	1230 µg/l
Calculation to Orthoboric acid, sodium salt theoretical	2640 µg/l
Calculation to Borate, zinc salt theoretical	3250 µg/l

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## **PAHs**

## Test Method / Standard:

Determination of PAH: With reference to USEPA 8270, DIN 38407-39

PAHs	I001 (ug/L)
Acenapthene	<0.1 µg/l
Acenaphtylene	<0.1 µg/l
Anthracene	<0.1 µg/l
Benzo (a) anthracene	<0.1 µg/l
Benzo (b) fluoranthene	<0.1 µg/l
Benzo (j) fluoranthene	<0.1 µg/l
Benzo (k) fluoranthene	<0.1 µg/l
Benzo (a) pyrene	<0.1 µg/l
Benzo (e) pyrene	<0.1 µg/l
Benzo (g,h,i) perylene	<0.1 µg/l
Chrysene	<0.1 µg/l
Dibenzo (a,h) anthracene	<0.1 µg/l
Fluoranthene	<0.1 µg/l
Fluorene	<0.1 µg/l
Indeno (1,2,3-cd) pyrene	<0.1 µg/l
Napthalene	<0.1 µg/l
Phenanthrene	<0.1 µg/l
Pyrene	<0.1 µg/l

## N-nitrosamines

#### **Test Method / Standard:**

N-nitrosamines: BVCPS inhouse method, LC-MS analysis, reporting limit:  $10 \, \mu g/l$ 

N-nitrosamines	I001 (ug/l)
N-nitrosodimethylamine (NDMA)	$<\!\!10\mu g/l$
N-nitrosodibutylamine (NDBA)	<10 µg/l

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N-nitrosamines	I001 (ug/l)
N-nitrosodiethylamine (NDEA)	<10 µg/l
N-nitrosopiperidine (NPIP)	<10 µg/l
N-nitrosopyrrolidine (NPYR)	<10 µg/l
N-nitrosomorpholine (NMOR)	<10 µg/l
N-nitroso N-methyl N-phenylamine (NMPhA)	<10 µg/l
N-nitroso N-ethyl N-phenylamine (NEPhA)	<10 µg/l
N-nitrosodiethanolamine (NDELA)	<10 µg/l
N-nitrosomethyethylamine (NMEA)	<10 µg/l
N-nitrosodiphenylamine (NDPhA)	<10 µg/l
N-nitrosodi-n-propylamine (NDPA)	<10 µg/l
N-methyl-N'-nitro-N-nitrosoguanidine	<10 µg/l
p-Nitrosodiphenylamine	<10 µg/l

#### Azo Dyes

#### **Test Method / Standard:**

Azo dyes/Arylamines: With reference to German Standard DIN 38407-16 and with reference to European Standard EN 14362-1 incorporating Corrigendum, reporting limit: 0.1 µg/l

p-Aminoazobenzene is tested when Aniline and/or 1,4-Phenylenediamine is detected.

p-Aminoazobenzene: With reference to German Standard DIN 38407-16 and with reference to European Standard EN 14362-3, reporting limit: 0.1 µg/Ll

Azo Dyes	I001 (ug/l)
4,4°-Methylene-bis-(2-chloro-aniline)	$<1 \ \mu g/l$
4,4'-methylenedianiline	$<1 \ \mu g/l$
4,4°-Oxydianiline	$<1 \ \mu g/l$
4-Chloroaniline	$<1 \ \mu g/l$
1,4-Phenylenediamine	$<1 \ \mu g/l$
3,3°-Dimethoxybenzidine	$<1 \ \mu g/l$
3,3°-Dimethylbenzidine	$<1 \ \mu g/l$
6-methoxy-m-toluidine (p-Cresidine)	$<1 \ \mu g/l$
2,4,5-Trimethylaniline	$<1 \ \mu g/l$
4,4°-Thiodianiline	$<1 \ \mu g/l$

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Azo Dyes	<b>I001</b> ( <i>ug/l</i> )
4-Aminoazobenzene	$<1 \ \mu g/l$
4-Methoxy-m-phenylenediamine / 2,4-Diaminoanisole	$<1 \ \mu g/l$
Aniline	$<1 \ \mu g/l$
4,4`-Methylene-di-o-toluidine / 3,3'-Dimethyl-4,4'- diaminodiphenylmethane	$<1 \ \mu g/l$
2,6-Xylidine	$<1 \ \mu g/l$
o-Anisidine	$<1 \ \mu g/l$
2-Naphthylamine	$<1 \ \mu g/l$
3,3`-Dichlorobenzidine	$<1 \ \mu g/l$
4-Aminodiphenyl	$<1 \ \mu g/l$
Benzidine	$<1 \ \mu g/l$
o-Toluidine	$<1 \ \mu g/l$
2,4-Xylidine	$<1 \ \mu g/l$
4-Chloro-o-toluidine	$<1 \ \mu$ g/l
4-Methyl-m-phenylenediamine	$<1 \ \mu$ g/l
o-Aminoazotoluene	$<1 \ \mu g/l$
5-nitro-o-toluidine	$<1 \ \mu g/l$

# **Organotin Compounds**

#### **Test Method / Standard:**

Tinorganic compounds: With reference to European Standard EN ISO 17353, reporting limits: DBB: 5  $\mu$ g/l, Each (Others): 0.01  $\mu$ g/l

Organotin Compounds	<u>1001 (ug/l)</u>
Monobutyltin (MBT)	<0.01 µg/l
Dibutyltin (DBT) / Dibutyltin chloride (DBTC)	<0.01 µg/l
Dibutyltin hydrogen borate (DBB) (Reported as B and DBT)	<5 µg/l
Tributyltin (TBT) / Bis(Tributyltin) oxide (TBTO)	<0.01 µg/l
Tetrabutyltin (TeBT)	<0.01 µg/l
Monooctyltin (MOT)	<0.01 µg/l

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Organotin Compounds	<u>1001 (ug/l)</u>
Dioctyltin (DOT)	<0.01 µg/l
Trioctyltin (TOT)	<0.01 µg/l
Dipropyltin (DPT)	<0.01 µg/l
Tripropyltin (TPT)	<0.01 µg/l
Phenyltin (PhT)	<0.01 µg/l
Diphenyltin (DPhT)	<0.01 µg/l
Triphenyltin (TPhT)	<0.01 µg/l
Monomethyltin (MeT) / Monomethyltintrichloride (MeTCl)	<0.01 µg/l
Dimethyltin (DMeT)	<0.01 µg/l
Trimethyltin (TMeT)	<0.01 µg/l
Tetraethyltin (TeEtT) / Triethyltin (TEtT)	<0.01 µg/l
Tricyclohexyltin (TCyHT)	<0.01 µg/l

## Perfluorinated and Polyfluorinated Chemicals

## **Test Method / Standard:**

Perfluorinated and polyfluorinated compounds (PFC's): BVCPS Inhouse method and analysis with Liquid Chromatograph Mass Spectrometer (LC-MS), reporting limit: PFOS & PFOA:  $0.01 \mu g/l$ , other:  $0.5 \mu g/l$ 

Perfluorinated and Polyfluorinated Chemicals	I001 (ug/L)
Perfluorooctanoic acid (PFOA)	<0.01 µg/l
Perfluorooctane sulfonate (PFOS) / Perfluorooctanesulfonyl	
fluoride (POSF / PFOF)	<0.01 µg/l
Perfluorohexanoic acid (PFHxA)	$<0.5\ \mu g/l$
Perfluorobutanoic acid (PFBA)	<0.5 µg/l
Perfluoroheptanoic acid (PFHpA)	<0.5 µg/l
Perfluorodecanoic acid (PFDA)	<0.5 µg/l

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Perfluorinated and Polyfluorinated Chemicals	I001 (ug/L)
Perfluorononanoic acid (PFNA)	<0.5 µg/l
Perfluorooctane sulfonamide (PFOSA)	<0.5 µg/l
Perfluorododecanoic acid (PFDoA)	<0.5 µg/l
Perfluorotridecanoic acid (PFTrA)	<0.5 µg/l
Perfluorotetradecanoic acid (PFTeA)	<0.5 µg/l
Perfluoropentanoic acid (PFPeA)	<0.5 µg/l
Perfluoroundecanoic acid (PFUnA)	<0.5 µg/l
Perfluorobutanesulfonic acid (PFBS)	<0.5 µg/l
Perfluorohexanesulfonic acid (PFHxS)	<0.5 µg/l
Perfluoro-1-heptanesulfonic acid (PFHpS)	<0.5 µg/l
Perfluorodecanesulfonic acid (PFDS)	<0.5 µg/l
2-(N-ethylperfluoro-1-octanesulfonamide)-ethanol (N- EtFOSE)	<0.5 µg/l
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	<0.5 µg/l
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	<0.5 µg/l
2-(N-methylperfluoro-1-octanesulfonamide)-ethanol (N-MeFOSE)	<0.5 µg/l
2-Perfluorobutylethanol (FTOH 4-2)	<0.5 µg/l
2-Perfluorohexylethanol (FTOH 6-2)	<0.5 µg/l
2-Perfluorooctylethanol (FTOH 8-2)	<0.5 µg/l
2-Perfluorodecylethanol (FTOH 10-2)	<0.5 µg/l
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	<0.5 µg/l
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	<0.5 µg/l
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	<0.5 µg/l
	1

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Perfluorinated and Polyfluorinated Chemicals	I001 (ug/L)
2H,2H,3H,3H-Perfluoroundecanoic acid	<0.5 µg/l
perfluoro-3,7-dimethyloctanoate (PF-3,7-DMOA)	<0.5 µg/l
7H-dodecafluoroheptanoate (HPFHpA)	<0.5 µg/l
1H,1H,2H,2H-Perfluorooctanesulphonic acid (H4PFOS 6:2)	<0.5 µg/l

## **Chlorobenzenes and Chlorotoluenes**

#### **Test Method / Standard:**

Chlorobenzenes and Chlorotoluenes: Reference to EPA 8260B & EPA 8270D, reporting limit:  $0.02 \ \mu$ g/L

Chlorobenzenes and Chlorotoluenes	I001 (ug/l)
Chlorobenzene	1.3 µg/l
1,2-Dichlorobenzene	<0.02 µg/l
1,3-Dichlorobenzene & 1,4-Dichlorobenzene	2.0 µg/l
1,2,3-Trichlorobenzene	<0.02 µg/l
1,2,4-Trichlorobenzene	<0.02 µg/l
1,3,5-Trichlorobenzene	0.96 µg/l
1,2,3,4-Tetrachlorobenzene	<0.02 µg/l
1,2,3,5-Tetrachlorobenzene	<0.02 µg/l
1,2,4,5-Tetrachlorobenzene	<0.02 µg/l
Pentachlorobenzene	<0.02 µg/l
Hexachlorobenzene	<0.02 µg/l
$\alpha, \alpha, \alpha, 4$ -Tetrachlorotoluene	<0.02 µg/l
Benzotrichloride	<0.02 µg/l
Benzyl chloride (α-Chlorotoluene)	<0.02 µg/l

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## Chlorophenols

## **Test Method / Standard:**

Chlorophenols: With reference to EPA 8270D, reporting limit:  $0.5 \,\mu g/l$ 

Chlorophenols	I001 (ug/l)
2-Chlorophenol	<0.5 µg/l
3-Chlorophenol	<0.5 µg/l
4-Chlorophenol	<0.5 µg/l
2,3-Dichlorophenol	<0.5 µg/l
3,5&2,4&2,5&2,6-Dichlorophenol	<0.5 µg/l
2,3,5-Trichlorophenol	<0.5 µg/l
2,3,6&2,4,5-Trichlorophenol	<0.5 µg/l
2,4,6-Trichlorophenol	<0.5 µg/l
3,4,5& 2,3,4-Trichlorophenol	<0.5 µg/l
2,3,4,5-Tetrachlorophenol	<0.5 µg/l
2,3,4,6-Tetrachlorophenol	<0.5 µg/l
2,3,5,6-Tetrachlorophenol	<0.5 µg/l
Pentachlorophenol (PCP)	<0.5 µg/l
Tetrachlorophenol (TeCP)	<0.5 µg/l

# **Chlorinated solvents**

#### Test Method / Standard:

Chlorinated Solvents: With reference to U.S. EPA 8260B, reporting limit: 1 µg/l

Chlorinated solvents	I001 (ug/l)
1,1-Dichloroethylene	<1 µg/l
1,2-Dichloroethane	<1 µg/l
cis-1,2-Dichloroethylene	<1 µg/l
trans-1,2-Dichloroethylene	<1 µg/l
1,1,1-Trichloroethane	<1 µg/l
1,1,2-Trichloroethane	<1 µg/l

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Trichloroethylene	<1 µg/l
1,1,1,2-Tetrachloroethane	<1 µg/l
Chloroform	90 µg/l
Carbon tetrachloride	<1 µg/l
Methylene chloride	<1 µg/l
Tetrachloroethylene	<1 µg/l
1,2-Dibromoethane	<1 µg/l
1-Bromopropane (n-Propyl bromide)	<1 µg/l
Vinyl chloride	<1 µg/l
Ethylbenzene	<1 µg/l
Benzene	<1 µg/l
Hexachlorobutadiene	<1 µg/l

# **Disperse and Carcinogenic Dyes**

## Test Method / Standard:

Carcinogenic Dyes and Allergenic Disperse Dyes: BVCPS Inhouse method and analysis by Liquid Chromatograph Mass Spectrometer (LC-MS), reporting limit: 50 µg/l

Disperse and Carcinogenic Dyes	I001 (ug/l)
Disperse dyes - Disperse Yellow 1 (119-15-3)	< 50 µg/l
Disperse dyes - Disperse Blue 35 (12222-75-2)	< 50 µg/l
Disperse dyes - Disperse Blue 102 (12222-97-8/69766- 79-6)	< 50 µg/l
Disperse dyes - Disperse Blue 106 (12223-01-7)	< 50 µg/l
Disperse dyes - Disperse Yellow 39 (12236-29-2)	< 50 µg/l
Disperse dyes - Orange 37 / 76 (13301-61-6)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Direct Brown 95 (16071-86-6)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Acid Violet 49 (1694-09-3)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Direct Black 38 (1937-37-7)	$< 50 \ \mu g/l$

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Disperse and Carcinogenic Dyes	I001 (ug/l)
Disperse dyes - Disperse Brown 1 (23355-64-8)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Direct Blue 15 (2429-74-5)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Basic Green 4 (2437-29-8, 569- 64-2, 10309-95-2)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 1 (2475-45-8)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 3 (2475-46-9)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Basic Blue 26 (2580-56-5)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Orange 1 (2581-69-3)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Direct Blue 6 (2602-46-2)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Yellow 3 (2832-40-8)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Direct Blue 218 (28407-37-6)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Red 11 (2872-48-2)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Red 1 (2872-52-8)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Red 17 (3179-89-3)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 7 (3179-90-6)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Acid Red 26 (3761-53-3)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 26 (3860-63-7)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Yellow 49 (54824-37-2)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Basic Red 9 (569-61-9)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Direct Red 28 (573-58-0)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Solvent Yellow 1 (60-09-3)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Solvent Yellow 2 (60-11-7)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Blue 124 (61951-51-7)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Disperse Yellow 23 (6250-23-3)	$< 50 \ \mu g/l$

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Disperse and Carcinogenic Dyes	<b>I001</b> (ug/l)
Carcinogenic dyestuffs - Basic Violet 14 (632-99-5)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Yellow 9 (6373-73-5)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Acid Red 114 (6459-94-5)	$< 50 \ \mu g/l$
Disperse dyes - Disperse Orange 3 (730-40-5)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Basic Violet 1 (8004-87-3)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Disperse Orange 11 (82-28-0)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Solvent Yellow 14 (842-07-9)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Disperse Orange 149 (85136- 74-9)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs - Solvent Yellow 3 (97-56-3)	$< 50 \ \mu g/l$
Carcinogenic dyestuffs –Basic Green 4 leuco base (129- 73-7)	$< 50 \ \mu g/l$

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# Parameters & CAS No.

Acrylamide	(CAS No.)	o-Aminoazotoluene (97-56-3)	
Acrylamide (79-06-1)		5-Nitro-o-toluidine (99-55-8)	
Acrylonitrile & 1,3-Butadiene	(CAS No.)	Bisphenol A	(CAS No.)
1,3-Butadiene (106-99-0)		Bisphenol A (80-05-7)	
Acrylonitrile (107-13-1)		Chlorobenzenes and Chlorotoluenes	(CAS No.)
p-Aminoazobenzene	(CAS No.)	Benzylchloride (a-chlorotoluene) (100-44-7)	
p-Aminoazobenzene (60-09-3)		1,3,5-Trichlorobenzene (108-70-3)	
Alkylphenols & Alkylphenolethoxylates	(CAS No.)	Monochlorobenzene (108-90-7)	
Octylphenols (OP) (140-66-9, 27193-28-8, 1806-26-	4.	Hexachlorobenzene (118-74-1)	
85771-77-3)	87A	1,2,4-Inchlorobenzene (120-82-1)	
Nonylphenols (NP) (25154-52-3, 104-40-5, 90481-0	4-2,	a a a 4 Totraphiertoluone (5218-25-1)	
84852-15-3, 11/3019-62-9, 11006-49-2)		1.3.8.14-Dichlombenzene (541-73-1, 108-48-7)	
Octyphenol monoethoxylates (OPEO n=1) (Various)	)	Pentachlorobenzene (608-93-5)	
Octylphenolethoxylates (OPEO n=2 to n=18) (Vano	us.)	1.2.3.4-Tetrachlombenzene (634-66-2)	
Nonyiphenol monoethoxylates (NPEO n=1) (vanous	9	1.2.3.5-Tetrachlorobenzene & 1.2.4.5-Tetrachlorobe	nzene
Nonyiphenolethoxylates (NPEO h=2 to h=18) (vano	us.j	(634-90-2, 95-94-3)	
Azo dyes/Arylamines	(CAS No.)	1,2,3-Trichlorobenzene (87-61-6)	
4,4'-Methylene-bis-(2-chloro-aniline) (101-14-4)	01000-00000000	1,2-Dichlorobenzene (95-50-1)	
4,4'-Methylenedianiline (4,4'-Diaminodiphenylmetha	ne) (101-77-9)	Benzotrichloride (98-07-7)	
4,4'-Oxydianiline (101-80-4)		Chlorophenols	(CAS No.)
4-Chloroaniline (108-47-8)		4-Chlorophenol (106-48-9)	
1,4-Phenylenediamine (106-50-3)		3-Chlorophenol (108-43-0)	
3,3'-Dimethoxybenzidine (119-90-4)		3,5 & 2,4 & 2,5 & 2,6-Dichlorophenol (120-83-2, 583	-78-8,
3,3'-Dimethylbenzidine (119-93-7)		2.2.4.5 Tatrahlerahanal (2.2.4.5 TaCD) (4001-51	2)
8-Methoxy-m-toluidine (p-Cresidine) (120-71-8)		2,3,4,0-Tetrachiorophenol (2,3,4,0-TeCP) (4901-01-	5)
2,4,5-Trimethylaniline (137-17-7)		2.24.8 Tetraphomphanol (2.24.8 ToCP) (59.00.2)	
4,4'-Thiodianiline (139-65-1)		4.Chiom-3-methylohenol (50-50-7)	
4-Methoxy-m-phenylenediamine (2,4-Diaminoanisol	e) (615-05-4)	3.4.5 & 2.3.4-Trichlorophenol (609-19-8, 15950-66-0	0
A		Pentachlorophenol (PCP) (87-86-5)	x;
Aniine (02-03-3)		2,4,6-Trichlorophenol (2,4,6-TCP) (88-06-2)	
(3,3'-Dimethyl-4,4'-diaminodiphenylmethane) (838-8	8-0)	2,3,6 & 2,4,5-Trichlorophenol (2,3,6 & 2,4,5-TCP) (9	33-75-5,
2,6-Xylidine (87-62-7)		(+cs-bs	
o-Anisidine (90-04-0)		2,3,5-1 nchlorophenol (2,3,5-1 CP) (933-78-8)	
2-Naphtylamine (91-59-8)		2,3,5,6-1etrachiorophenol (2,3,5,6-1eCP) (935-95-5	1
3,3'-Dichlorobenzidine (91-94-1)		2-Chlorophenol (95-57-8)	
4-Aminobiphenyl (92-67-1)		3,4-Dichlorophenol (95-77-2)	
Benzidine (92-87-5)		Short Chain Chlorinated Paraffins	(CAS No.)
o-Toluidine (95-53-4)		Short chained chlorinated paraffines, C10-C13 (855)	35-84-8)
2,4-Xylidine (95-68-1)	Carcinogenic Dyes and Allergenic Disperse Dyes (CAS No.)		
4-Chloro-o-toluidine (95-69-2)			10 38
4-Methyl-m-phenylenediamine (2,4-Toluenediamine	) (95-80-7)	Disperse dyes - Disperse Yellow 1 (119-15-3)	

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Disperse dyes - Disperse Blue 35 (12222-75-2)	Flame retardants (CAS No.)
Disperse dyes - Disperse Blue 102 (12222-97-8/69766-79-8)	Calculation to Boric acid theoretical * (10043-35-3)
Disperse dyes - Disperse Blue 106 (12223-01-7)	Monobromodiphenylether (MonoBDE) (101-55-3)
Disperse dyes - Disperse Yellow 39 (12236-29-2)	Calulation to Sodium perborate monohydrate theorectical *
Disperse dyes - Orange 37 / 76 (13301-61-6)	(10332-33-9, 12040-72-1, 15120-21-5, 11138-47-9)
Carcinogenic dyestuffs - Direct Brown 95 (16071-86-6)	Calulation to Sodium perborate tetrahydrate theorectical *
Carcinogenic dyestuffs - Acid Violet 49 (1694-09-3)	(10486-00-7, 11138-47-9, 13517-20-9)
Carcinogenic dyestuffs - Direct Black 38 (1937-37-7)	Tris(2-chlorethyl)phosphat (TCEP) (115-96-8)
Disperse dyes - Disperse Brown 1 (23355-64-8)	Decabromodiphenylether (DecaBDE) (1163-19-5)
Carcinogenic dyestuffs - Direct Blue 15 (2429-74-5)	Calculation to Sodium tetraborate theorectical * (12179-04-3,
Carcinogenic dyestuffs - Basic Green 4 (2437-29-8, 569-64-2, 10309-95-2)	Calulation to Di sodium tetraborate n hydrate theorectical *
Carcinogenic dyestuffs - Disperse Blue 1 (2475-45-8)	(12267-73)
Carcinogenic dyestuffs - Disperse Blue 3 (2475-46-9)	Tris-(2,3-dibromopropyl) phosphate (TRIS) (126-72-7)
Carcinogenic dyestuffs - Basic Blue 26 (2580-56-5)	Calculation to Diboron trioxide theoretical * (1303-86-2)
Disperse dyes - Disperse Orange 1 (2581-89-3)	Calculation to Borate, zinc salt theoretical * (1332-07-8)
Carcinogenic dyestuffs - Direct Blue 8 (2602-46-2)	Hexabromocyclododecane (HBCDD) (134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-8)
Carcinogenic dyestuffs - Disperse Yellow 3 (2832-40-8)	Tris (2-chlomisopropyl) phosphate (TCPP) (13874-84-5)
Carcinogenic dyestuffs - Direct Blue 218 (28407-37-8)	Tris/1 3-Dichloroisopropy/Phosphate (TDCP) (13874-87-8)
Disperse dyes - Disperse Red 11 (2872-48-2)	Calculation to Orthoboric acid sodium salt theoretical "
Disperse dyes - Disperse Red 1 (2872-52-8)	(13840-56-7)
Disperse dyes - Disperse Red 17 (3179-89-3)	Pentabromodiphenvlether (PentaBDE) (32534-81-9)
Disperse dyes - Disperse Blue 7 (3179-90-8)	Octabromodiphenylether (OctaBDE) (32538-52-0)
Carcinogenic dyestuffs - Acid Red 26 (3761-53-3)	Hexabromodiphenylether (HexaBDE) (36483-60-0)
Disperse dyes - Disperse Blue 26 (3860-63-7)	Tetrabromodiphenylether (TetraBDE) (40088-47-9)
Disperse dyes - Disperse Yellow 49 (54824-37-2)	Tribromodiphenylether (TriBDE) (49690-94-0)
Carcinogenic dyestuffs - Basic Red 9 (569-61-9)	Dibromodiphenylether (DiBDE) (53563-56-7)
Carcinogenic dyestuffs - Direct Red 28 (573-58-0)	Bis(2,3-dibromopropyl) phosphate (BIS) (5412-25-9)
Carcinogenic dyestuffs - Solvent Yellow 1 (60-09-3)	Nonabromodiphenylether (NonaBDE) (63936-56-1)
Carcinogenic dyestuffs - Solvent Yellow 2 (60-11-7)	Heptabromodiphenylether (HeptaBDE) (68928-80-3)
Disperse dyes - Disperse Blue 124 (61951-51-7)	Boron (B), total content (7440-42-8)
Carcinogenic dyestuffs - Disperse Yellow 23 (6250-23-3)	Tetrabromobisphenol A (TBBPA) (79-94-7)
Carcinogenic dyestuffs - Basic Violet 14 (632-99-5)	01 - 1- (CAS No.)
Disperse dyes - Disperse Yellow 9 (6373-73-5)	Giycois (CAS No.)
Carcinogenic dyestuffs - Acid Red 114 (6459-94-5)	2 Methodo athread (Ethologic clust) menomatical athread (400, 09, 4)
Disperse dyes - Disperse Orange 3 (730-40-5)	2-metrioxyethanoi (Ethylene giyool monomethyl ether) (109-86-4)
Carcinogenic dyestuffs - Basic Violet 1 (8004-87-3)	2-Methoxyethyl acetetate (Ethylene glycol monomethyl ethyl
Carcinogenic dyestuffs - Disperse Orange 11 (82-28-0)	acetate) (110-49-6)
Carcinogenic dyestuffs - Solvent Yellow 14 (842-07-9)	Ethylene glycol dimethyl ether (110-71-4)
Carcinogenic dyestuffs - Disperse Orange 149 (85136-74-9)	2-Ethoxyethanol (Ethylene glycol monoethyl ether) (110-80-5)
Carcinogenic dyestuffs - Solvent Yellow 3 (97-56-3)	2-Ethoxyethyl acetate (111-15-9)
Epichlorohydrine content (CAS No.)	Bis(2-methoxyethyl)-ether (111-98-8)
Epichlorohydrine (106-89-8)	Triethylene glycol dimethyl ether (Trialyme) (112-49-2)
	1,2-Diethoxyethane (629-14-1)
Ethylacrylate (CAS No.)	
Ethylacrylate (140-88-5)	Heavy metals, total content & Chromium VI (CAS No.)

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Lead (Pb) (7439-92-1)		Chrysene (218-01-9)	
Mercury (Hg) (7439-97-6)		Benzo (a) pyrene (50-32-8)	
Cadmium (Cd) (7440-43-9)		Dibenzo (a,h) anthracene (53-70-3)	
Chromium (Cr) (7440-47-3)		Benzo (a) anthracene (56-55-3)	
Heavy metals, total content	(CAS No.)	Acenaphtene (83-32-9)	
Cobalt compounds (as Co) (various)		Phenanthrene (85-01-8)	
Nickel compounds (as Ni) (various.)		Fluorene (86-73-7)	
Nickel (Ni) (7440-02-0)		Naphthalene (91-20-3)	
Antimony (Sb) (7440-36-0)		Perfluorinated and polyfluorinated compounds	(CAS No.)
Arsenic (As) (7440-38-2)		(PFC's)	
Cobalt (Co) (7440-48-4)		7H-dodecafluoroheptanoate (HPFHpA) (1546-95-8)	
Antimony compounds (as Sb) (various)		2-(N-ethylperfluoro-1-octanesulfonamide)-ethanol (N (1091-99-2)	-EtFOSE)
Arsenic compounds (as As) (various.)		perfluoro-3 7-dimethyloctanoate (PE-3 7-DMOA) (17)	2155-07-8)
Michlers base and ketone	(CAS No.)		
Michler's base (N,N,N',N'-tetramethyl-4,4'methylene (101-81-1)	dianiline)	1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA) (1752	7-29-6)
(Idiroli-1) Michler's ketone (4,4'-bis(dimethylamino)benzophenone) (90-94-8)		Perfluorooctane sulfonate (PFOS) / Perfluorooctanesulfonyl fluoride (POSF / PFOF) (1763-23-1, 56773-72-3, 307-35-7)	
		1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA) (1	17741-60-5)
N-Nitrosamines	(CAS No.)		
N-nitrosopiperidine (NPIP) (100-75-4)		2-Pertubrobutyletnanol (F1OH 4-2) (2043-47-2)	
N-nitrosomethylethylamine (NMEA) (10595-95-8)		Perhubroundecanoic acid (PPUNA) (2008-94-8)	
N-nitrosodiethanolamine (NDELA) (1116-54-7)		2-(N-methylperiluoro-1-octanesultonamide)-ethanol ( (2448-09-7)	N-MEFUSE)
p-Nitrosodiphenylamine (156-10-5)		Perfluoropentanoic acid (PEPeA) (2706-90-3)	
N-nitrosodiethylamine (NDEA) (55-18-5)		1H.1H.2H.2H-Perfluorooctanesulphonic acid (H4PEC	OS 6:2)
N-nitrosomorpholine (NMOR) (59-89-2)		(27619-97-2)	
N-nitroso N-ethyl N-phenylamine (NEPhA) (612-64-	6)	1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA) (2790	)5-45-9)
N-nitroso N-methyl N-phenylamine (NMPhA) (614-0	0-6)	Perfluorohexanoic acid (PFHxA) (307-24-4)	
N-nitrosodimethylamine (NDMA) (62-75-9)		Perfluorododecanoic acid (PFDoA) (307-55-1)	
N-Nitrosodi-n-propylamine (NDPA) (621-64-7) N-Methyl-N'-nitro-N-nitrosoguanidine (70-25-7)		N-methylperfluoro-1-octanesulfonamide (N-MeFOSA (31506-32-8)	)
N-Nitrosodiphenylamine (NDPhA) (88-30-6)		Perfluorooctanoic acid (PFOA) (335-67-1)	
N-nitrosodibutylamine (NDBA) (924-16-3)		Perfluorodecanoic acid (PFDA) (335-76-2)	
N-nitrosopyrrolidine (NPYR) (930-55-2)		Perfluorodecanesulfonic acid (PFDS) (335-77-3, 280	6-15-7)
Determination of PAH	(CAS No.)	2H,2H,3H,3H-Perfluoroundecanoic acid (34598-33-9	)
Anthracene (120-12-7)	5-00-00-00-00-00-00-00-00-00-00-00-00-00	Perfluorohexanesulfonic acid (PFHxS) (355-46-4, 38	71-99-6)
Pyrene (129-00-0)		Perfluorobutanoic acid (PFBA) (375-22-4)	
Benzo (g.h.i) perylene (191-24-2)		Perfluorobutanesulfonic acid (PFBS) (375-73-5, 2942	20-49-3)
Benzo (e) pyrene (192-97-2)		Perfluoroheptanoic acid (PFHpA) (375-85-9)	
Indeno (1,2,3-cd) pyrene (193-39-5)		Perfluorononanoic acid (PFNA) (375-95-1)	
Benzo (j) fluoranthene (205-82-3)		Perfluorotetradecanoic acid (PFTeA) (376-06-7)	
Benzo (b) fluoranthene (205-99-2)		N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA) (4	151-50-2)
Fluoranthene (206-44-0)			
Benzo (k) fluoranthene (207-08-9)		Perfluoro-1-heptanesulfonic acid (PFHpS) (60270-55	-5, 375-92-8)
Acenaphtylene (208-96-8)		2-Perfluorohexylethanol (FTOH 8-2) (847-42-7)	

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2-Perfluorooctylethanol (FTOH 8-2) (678-39-7)			
Perfluorotridecanoic acid (PFTrA) (72629-94-8) Perfluorooctane sulfonamide (PFOSA) (754-91-8) 2-Perfluorodecylethanol (FTOH 10-2) (865-86-1)			
		Phthalates	(CAS No.)
		Di(2-ethylhexyl)phthalate (DEHP) (117-81-7)	
Bis(2-methoxyethyl) phthalate (DMEP) (117-82-8)			
Di-n-octylphthalate (DNOP) (117-84-0)			
Di-n-propylphthalate (DPRP) (131-16-8)			
Di-n-pentylphthalate (DnPP) (131-18-0)			
Di-iso-octylphthalate (DIOP) (1330-91-2)			
Di-iso-decylphthalate (DIDP) (26761-40-0, 68515-4	9-1)		
Di-iso-nonylphthalate (DINP) (28553-12-0, 68515-4	8-0)		
Di-iso-pentylphthalate (DiPP) (605-50-5)	1.000		
<ol> <li>Penzenedicarboxylic acid, di-C7-11-branched a esters (DHNUP) -&gt; determinated as Diundecylphtha (68515-42-4, 3648-20-2)</li> </ol>	nd linear alkyl alate		
1,2-Benzenedicarboxylic acid, dihexylester, branche (DHP) (68515-50-4)	ed and linear		
1,2-benzenedicarboxylic acid, di-C8-10-alkyl esters 1,2-benzenedicarboxylic acid, mixed decyl and hex esters with ≥0.3% of dehexylphthalate (EC 201-559 (88515-51-5 and 68648-93-1)	yl and octyl di -5)		
Diisohexylphthalate (DIHxP) (71850-09-4)			
1,2-Benzenedicarboxylic acid, <mark>di-C6-8-branched all</mark> C7-rich (DIHP) (71888-89-6)	yl esters,		
n-Pentyl-iso-pentylphthalate (PiPP) (776297-69-9)			
Dicyclohexylphthalate (DCHP) (84-61-7)			
Diethylphthalate (DEP) (84-68-2)			
Di-iso-butylphthalate (DIBP) (84-69-5)			
Dibutylphthalate (DBP) (84-74-2)			
Di-n-hexylphthalate (DnHP) (84-75-3)			
Dinonylphthalate (DNP) (84-76-4)			
Benzylbutylphthalate (BBP) (85-68-7)			
Chlorinated Solvents	(CAS No.)		
Ethylbenzene (100-41-4)			
1,2-Dibromoethane (106-93-4)			
1-Bromopropane (n-Propyl bromide) (106-94-5)			
1,2-Dichloroethane (107-06-2)			
Tetrachloroethylene (127-18-4)			
cis-1,2-Dichloroethylene (156-59-2)			
trans-1,2-Dichloroethylene (156-60-5)			
Carbon tetrachloride (56-23-5)			
1,1,1,2-Tetrachloroethane (630-20-6)			
Chloroform (67-66-3)			
Benzene (71-43-2)			

0.0.00000000000000000000000000000000000	050
1,1,1-Trichloroethane (71-55-6)	
Vinyl chloride (75-01-4)	
Methylene chloride (75-09-2)	
1,1-Dichloroethylene (75-35-4)	
1,1,2-Trichloroethane (79-00-5)	
Trichloroethylene (79-01-6)	
Hexachlorobutadiene (87-68-3)	
Tinorganic compounds	(CAS No.)
Trioctyltin (TOT) (.nonexistent-)	
Dibutyltin (DBT) / Dibutyltin chloride (DBTC)	(1002-53-5, 683-18-1)
Diphenyltin (DPhT) (1011-95-6)	
Trimethyltin (TMeT) (1066-45-1)	
Monobutyltin (MBT) (1118-46-3)	
Phenyltin (PhT) (1124-19-2)	
Tetrabutyltin (TeBT) (1461-25-2)	
Monooctyltin (MOT) (15231-44-4)	
Tricyclohexyltin (TCyHT) (3091-32-5)	
Tributyltin (TBT) / Bis(Tributyltin) oxide (TBT) 56-35-9)	O) (56573-85-4,
Tetraethyltin (TeEtT) / Triethyltin (TEtT) (597	-64-8)
Triphenyltin (TPhT) (839-58-7)	
Dibutyltin hydrogen borate (DBB) (Reported (75113-37-0)	as B and DBT)
Dimethyltin (DMeT) (753-73-1)	
Dipropyltin (DPT) (867-36-7)	
Dioctyltin (DOT) (94410-05-8)	
Tripropyltin (TPT) (nonexistent)	
Monomethyltin (MeT) / Monomethyltintrichlor 993-16-8)	ride (MeTCI) (various,

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