TEST REPOT NO.:	1013601	Date: 25.10.2016	Page: 1 of 6

FACTORY NAME Akren Boyahanesi
FACTORY ADDRESS Hacı Şeremet Mevkii, Velimeşe / ÇORLU

The following sample was collected by the SGS:

Sample Description : Wastewater and Sludge
Buyer Name : ALDI
Factory Name : Akren Boyahanesi
Ref Number. : N/A
Sample Received Quantity : as required by methods
Department No. : SGS Turkey-EHS Lab
Country of Origin : TURKEY
Country of Destination : TURKEY
Sample Receiving Date : 03.10.2016
Test Performing Period : 7 working days

Remarks

1.This test document cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.

2.The results shown in this test report refer only to the sampling and the sample(s) tested unless otherwise stated.

Signed for and on behalf of SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş. -Environment, Health and Safety Department Laboratory
Canan Ekmekcibasi - Laboratory Team Leader (canan.ekmekcibasi@sgs.com)

INORGANIC & ORGANIC ANALYSIS

Report No.: **1013601**

Factory: Akren Boyahanesi
Sampling Address: Hacı Şeremet Mevkii, Velimeşe / ÇORLU

				Sampling Location	Effulent Discharge	**Official Journal Number: 25687 WATER POLLUTION CONTROL REGULATIONS (Amendment Table 1: RG-13/2 / 2008-26786) TABEL 10: TEKSTİL SANAYİİ ATIK SULARININ ALICI ORTAMA DEŞARJ STANDARTLARI**	Sampling Location	Effulent Discharge	
				Sampling Time	10:00		Sampling Time	N/A	
				Date Sampled	03.10.2016		Date Sampled	05.10.2016	
				Date Received	03.10.2016		Date Received	05.10.2016	
				Sample Description	Wastewater		Sample Description	Sludge	
				Waste Waster			**Sludge**		
Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster Reporting Limit	**Effluent**	**Local Requirement**	Reporting Limit	**Sludge**	**Local Requirement (if applicable)**
1	**Phthalates**								
1.1	Di-Butyl Phthalate (DBP)	84-74-2	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.2	Di(2-Ethyl Hexyl) Phthalate(DEHP)	117-81-7	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.3	Benzyl Butyl Phthalate (BBP)	85-68-7	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.4	Di-Iso-Nonyl Phthalate (DINP)	28553-12-0, 68515-48-0	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.5	Di-N-Octyl Phthalate (DNOP)	117-84-0	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.6	Di-Iso-Decyl Phthalate (DIDP)	26761-40-0, 68515-49-1	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.7	Di-Iso-Butyl Phthalate (DIBP)	84-69-5	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.8	Di-N-Hexyl Phthalate (DNHP)	84-75-3	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.9	Bis(2-methoxyethyl)phthalate (DMEP)*	117-82-8	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.10	1,2-Benzenedicaboxylic acid, Di-C7-11 Branched and Linear Alkyl Esters (DHNUP)*	68515-42-4	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.11	Di-Iso-Hexyl Phthalate (DIHP)*	71888-89-6	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
1.12	Di-pentylphthalate (n-, iso-, or mixed) (DPP)*	131-18-0	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
2	**Halogenated Flame retardants**								
	Polybrominated biphenyls (PBBs)	59536-65-1 various							
2.1	Monobromo biphenyls (MonoBB)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.2	Dibromo biphenyls (DiBB)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.3	Tribromo biphenyls (TriBB)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.4	Tetrabromo bipenyls (TetraBB)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.5	Pentabromo biphenyls (PentaBB)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.6	Hexabromo biphenyls (HexaBB)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.7	Heptabromo biphenyls (HeptaBB)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.8	Octabromo biphenyls (OctaBB)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.9	Nonabromo biphenyls (NonaBB)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.10	Decabromo biphenyls (DecaBB)	13654-09-6	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
	Polybrominated diphenyl ethers (PBDEs)	various				-			-
2.11	Monobromo diphenyl ethers (MonoBDE)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.12	Dibromo diphenyl ethers (DiBDE)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.13	Tribromo diphenyl ethers (TriBDE)	-	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.14	Tetrabromo diphenyl ethers (TetraBDE)	40088-47-9	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.15	Pentabromo diphenyl ethers (PentaBDE)	32534-81-9	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.16	Hexabromo diphenyl ethers (HexaBDE)	36483-60-0	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.17	Heptabromo diphenyl ethers (HeptaBDE)	68928-80-3	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.18	Octabromo diphenyl ethers (OctaBDE)	32536-52-0	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.19	Nonabromo diphenyl ethers (NonaBDE)	63936-56-1	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.20	Decabromo diphenyl ethers (DecaBDE)	1163-19-5	Solvent extraction followed by GC/MS analysis	0.05 µg/L	<0.05	-	0.03 mg/kg	<0.03	-
2.21	Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	Solvent extraction followed by GC/MS or LC/MS analysis	0.5 µg/L	<0.5	-	0.25 mg/kg	<0.25	-
2.22	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	Solvent extraction followed by GC/MS or LC/MS analysis	0.05 µg/L	<0.05	-	0.25 mg/kg	<0.25	-
2.23	Hexabromocyclododecane (HBCDD)	134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-6	Solvent extraction followed by GC/MS or LC/MS analysis	0.5 µg/L	<0.5	-	0.25 mg/kg	<0.25	-
2.24	Tetrabromobisphenol A (TBBPA)	79-94-7	Solvent extraction followed by GC/MS or LC/MS analysis	0.5 µg/L	<0.5	-	0.25 mg/kg	<0.25	-
	Subgroup: Other Flame Retardants								
2.25	Tris(1-aziridinyl)phosphine oxide) (TEPA)*	545-55-1	Solvent extraction followed by GC/MS or LC/MS analysis	0.5 µg/L	<0.5	-	0.25 mg/kg	<0.25	-
2.26	Bis(2,3-dibromopropyl)phosphate (BIS)*	5412-25-9	Solvent extraction followed by GC/MS or LC/MS analysis	0.5 µg/L	<0.5	-	0.25 mg/kg	<0.25	-
2.27	Sodium Tetraborate*^	1303-96-4, 1303-43-4, 12179-04-3, 215-540-4	Acid Digestion with ICP analysis	0.5 µg/L	**633**	-	0.25 mg/kg	**219**	-
2.28	Boron trioxide*^	1303-86-2	Acid Digestion with ICP analysis	0.5 ua/L	**865**	-	0.25 mg/kg	**299**	-
2.29	Boric acid*^	10043-35-3, 11113-50-1	Acid Digestion with ICP analysis	0.5 ua/L	**778**	-	0.25 mg/kg	**269**	-
2.30	Antimony trioxide*^	1309-64-4	Acid Digestion with ICP analysis	0.5 ua/L	**5.2**	-	0.25 mg/kg	**1.9**	-
2.31	Tri-o-cresyl phosphate*	78-30-8	Solvent extraction followed by GC/MS or LC/MS analysis	0.5 µg/L	<0.5	-	0.25 mg/kg	<0.25	-
2.32	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)*	13674-87-8	Solvent extraction followed by GC/MS or LC/MS analysis	0.5 µg/L	<0.5	-	0.25 mg/kg	<0.25	-
3	**Amines (Associated with Azo dyes)**								
3.1	4-Aminodiphenyl	92-67-1	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.2	Benzidine	92-87-5	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.3	4-Chloro-o-Toluidine	95-69-2	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.4	2-Naphthylamine	91-59-8	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.5	o-Aminoazotoluene	97-56-3	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.6	2-Amino-4-Nitrotoluene	99-55-8	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.7	p-Chloroaniline	106-47-8	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	**0.69**	-	0.01 mg/kg	**0.23**	-
3.8	2,4-Diaminoanisole	615-05-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.9	4,4'-Diaminodiphenylmethane	101-77-9	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.10	3,3'-Dichlorobenzidine	91-94-1	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.11	3,3'-Dimethoxybenzidine	119-90-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.12	3,3'-Dimethylbenzidine	119-93-7	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.14	p-Cresidine	120-71-8	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.15	4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.16	4,4'-Oxydianiline	101-80-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.17	4,4'-Thiodianiline	139-65-1	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.18	o-Toluidine	95-53-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.19	2,4-Toluylenediamine	95-80-7	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.20	2,4,5-Trimethylaniline	137-17-7	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.21	o-Anisidine	90-04-0	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.22	p-Aminoazobenzene	60-09-3	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.23	2,4-Xylidine	95-68-1	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
3.24	2,6-Xylidine	87-62-7	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
	Subgroup: Carcinogenic Dyes								
3.25	Acid Red 26*	3761-53-3	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.26	Basic Red 9*	569-61-9	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.27	Basic Violet 14*	632-99-5	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.28	Direct Blue 6*	2602-46-2	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.29	Direct Red 28*	573-58-0	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.30	Direct Black 38*	1937-37-7	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.31	Disperse Blue 1*	2475-45-8	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.32	Disperse Yellow 3*	2832-40-8	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.33	Disperse Orange 11*	82-28-0	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.34	Disperse Yellow 23*	6250-23-3	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.35	Disperse Orange 149*	85136-74-9	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.36	Solvent Yellow 1*	60-09-3	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.37	Solvent Yellow 2*	60-11-7 EN 71-9	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-

Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster			Sludge		
				Waste Waster Reporting Limit	Effluent	Local Requirement	Reporting Limit	Sludge	Local Requirement (if applicable)
3.38	Solvent Yellow 3*	97-56-3	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.39	Solvent Yellow 14*	842-07-9	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.40	Basic Blue 26*	2580-56-5	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.41	Basic Violet 1*	8004-87-3 EN 71-9	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.42	Direct Brown 95*	16071-86-6	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.43	Direct Blue 15*	2429-74-5	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.44	Direct Blue 218*	28407-37-6	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.45	Acid Red 114*	6459-94-5	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.46	Acid Violet 49*	1694-09-3	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
	Subgroup: Allegenic Disperse Dyes								
3.47	Disperse Blue 1*	2475-45-8	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.48	Disperse Blue 3*	2475-46-9	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.49	Disperse Blue 7*	3179-90-6	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.50	Disperse Blue 26*	3860-63-7	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.51	Disperse Blue 35*	12222-75-2	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.52	Disperse Blue 102*	12222-97-8	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.53	Disperse Blue 106*	12223-01-7	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.54	Disperse Blue 124*	61951-51-7	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.55	Disperse Brown 1*	23355-64-8	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.56	Disperse Orange 1*	2581-69-3	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.57	Disperse Orange 3*	730-40-5	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.58	Disperse Orange 37/76*+	13301-61-6	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.59	Disperse Red 1*	2872-52-8	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.60	Disperse Red 11*	2872-48-2	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.61	Disperse Red 17*	3179-89-3	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.62	Disperse Yellow 1*	119-15-3	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.63	Disperse Yellow 3*	2832-40-8	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.64	Disperse Yellow 9*	6373-73-5	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.65	Disperse Yellow 39*	12236-29-2	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
3.66	Disperse Yellow 49*	54824-37-2	Solvent extraction followed by LC/DAD/MS analysis	0.1 µg/L	<0.1	-	0.1 mg/kg	<0.1	-
4	**Organotin compounds**								
4.1	Monobutyltin (MBT)	1118-46-3	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.2	Dibutyltin (DBT)	1002-53-5	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.3	Tributyltin (TBT)	56573-85-4	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.4	Triphenyltin (TPhT)	892-20-6	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.5	Dioctyltin (DOT)	94410-05-6	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.6	Monooctyltin (MOT)	15231-44-4	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.7	Diphenyltin (DPhT)	1011-95-6	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.8	Tetrabutyltin (TeBT)	1461-25-2	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.9	Tricyclohexyltin (TCyT)	NA	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.10	Tripropyltin (TPT)	NA	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.11	Tetraethyltin (TeET)	597-64-8	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.12	Bis(tributyltin) oxide (TBTO)*	56-35-9	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.13	Dibutyltin dichloride (DBTC)*	683-18-1	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.14	Triphenyltin (TPT)*	668-34-8	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
4.15	Dibutyltin hydrogen borate (DBB)*	75113-37-0	With reference to DIN EN17353 and followed by GC/MS analysis.	0.01 µg/L	<0.01	-	0.01 mg/kg	<0.01	-
5	**Chloro- Benzenes**								
	Dichlorobenzenes	various							
5.1	1,2-Dichlorobenzene	95-50-1	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.2	1,3-Dichlorobenzene	541-73-1	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.3	1,4-Dichlorobenzene	106-46-7	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
	Trichlorobenzene	various							
5.4	1,2,3-Trichlorobenzene	87-61-6	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.5	1,2,4-Trichlorobenzene	120-82-1	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.6	1,3,5-Trichlorobenzene	108-70-3	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
	Tetrachlorobenzene	12408-10-5							
5.7	1,2,3,4-Tetrachlorobenzene	634-66-2	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.8	1,2,3,5-Tetrachlorobenzene	634-90-2	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.9	1,2,4,5-Tetrachlorobenzene	95-94-3	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.10	Pentachlorobenzene	608-93-5	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.11	Hexachlorobenzene	118-74-1	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
	Chloro-Toluenes								
5.12	2-chlorotoluene*	95-49-8	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	**6**	-
5.13	3-chlorotoluene*	108-41-8	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	**0.20**	-
5.14	4-chlorotoluene*	106-43-4	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	**3.8**	-
5.15	2,3-dichlorotoluene*	32768-54-0	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.16	2,4-dichlorotoluene*	95-73-8	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	**0.49**	-
5.17	2,5-dichlorotoluene*	19398-61-9	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	**0.05**	-
5.18	2,6-dichlorotoluene*	118-69-4	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	**0.07**	-
5.19	3,4-dichlorotoluene*	95-75-0	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.20	2,3,6-trichlorotoluene*	2077-46-5	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.21	2,4,5-trichlorotoluene*	6639-30-1	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.22	Benzotrichloride*	98-07-7	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.23	alfa,2,4-trichlorotoluene*	94-99-5	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.24	alfa,2,6-trichlorotoluene*	2014-83-7	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.25	alfa,3,4-trichlorotoluene*	102-47-6	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.26	alpha, alpha, 2,6-tetrachlorotoluene*	81-19-6	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.27	alpha, alpha, alpha, 2-tetrachlorotoluene*	2136-89-2	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.28	alpha, alpha, alpha, 4-tetrachlorotoluene*	5216-25-1	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-
5.29	2,3,4,5,6-pentachlorotoluene*	877-11-2	With reference to USEPA 8270D or Solvent extraction followed by GC/MS analysis	0.02 µg/L	<0.02	-	0.01 mg/kg	<0.01	-

Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster			Sludge		
				Waste Waster Reporting Limit	Effluent	Local Requirement	Reporting Limit	Sludge	Local Requirement (if applicable)
6	**Chlorinated solvents**								
6.1	Dichloromethane	75-09-2	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.2	Chloroform	67-66-3	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.3	Tetrachloromethane	56-23-5	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.4	1,1,2-Trichloroethane	79-00-5	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.5	1,1-Dichloroethane	75-34-3	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.6	1,2-Dichloroethane	107-06-2	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.7	Trichloroethylene	79-01-6	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.8	Perchloroethylene	127-18-4	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.9	1,1,1-trichloroethane	71-55-6	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.10	1,1,1,2-Tetrachloroethane	630-20-6	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.11	1,1,2,2-Tetrachloroethane	79-34-5	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.12	Pentachloroethane	76-01-7	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
6.13	1,1-Dichloroethylene	75-35-4	With reference to USEPA 8260C or Head-space or Solvent extraction with GC/MS analysis	1 µg/L	<1	-	0.3 mg/kg	<0.3	-
	Other VOCs								
6.14	Methyl-ethyl ketone*	78-93-3	With reference to USEPA 8260C or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.15	Benzene*	71-43-2	With reference to USEPA 8260C or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.16	Toluene*	108-88-3	With reference to USEPA 8260C or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.17	Ethylbenzene*	100-41-4	With reference to USEPA 8260C or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.18	Xylene*	1330-20-7	With reference to USEPA 8260C or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.19	Styrene*	100-42-5	With reference to USEPA 8260C or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.20	Cyclohexanone*	108-94-1	With reference to USEPA 8260C or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	2 mg/kg	<2	-
6.21	2-ethoxyethylacetate*	111-15-9	With reference to USEPA 8260C or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	10 mg/kg	<10	-
6.22	1,2,3-trichloropropane*	96-18-4	With reference to USEPA 8260C or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	10 mg/kg	<10	-
6.23	Acetophenone*	98-86-2	With reference to USEPA 8270D or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.24	Naphtalene*	91-20-3	With reference to USEPA 8270D or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.25	N,N-dimethylformamide*	68-12-2	With reference to USEPA 8270D or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.26	1-methyl-2-pyrrolidone*	872-50-4	With reference to USEPA 8270D or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	50 mg/kg	<50	-
6.27	2-phenyl-2-propanole*	617-94-7	With reference to USEPA 8270D or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	0.1 mg/kg	<0.1	-
6.28	Bis-(2-methoxyethyl) ether*	111-96-6	With reference to USEPA 8270D or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	20 mg/kg	<20	-
6.29	N,N-dimethylacetamide*	127-19-5	With reference to USEPA 8270D or Head-space or Solvent extraction followed by GC/MS analysis	1 µg/L	<1	-	20 mg/kg	<20	-
7	**Chloro- Phenols**								
7.1	Pentachlorophenols (PCP)	87-86-5	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
	Tetrachlorophenols (TeCP)	25167-83-3							
7.2	2,3,4,5-Tetrachlorophenol	4901-51-3	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.3	2,3,4,6-Tetrachlorophenol	58-90-2	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.4	2,3,5,6-tetrachlorophenol	935-95-5	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
	Trichlorophenol (TriCP)	25167-82-2							
7.5	2,4,6-trichlorophenol	88-06-2	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.6	2,3,4-trichlorophenol	15950-66-0	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.7	2,3,5-trichlorophenol	933-78-8	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.8	2,3,6-trichlorophenol	933-75-5	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.9	2,4,5-trichlorophenol	95-95-4	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.10	3,4,5-trichlorophenol	609-19-8	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
	Dichlorophenols (DiCP)	25167-81-1							
7.11	2,3-dichlorophenol	576-24-9	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.12	2,4-dichlorophenol	120-83-2	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.13	2,5-dichlorophenol	583-78-8	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.14	3,4-dichlorophenol	95-77-2	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.15	3,5-dichlorophenol	591-35-5	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
7.16	Mono Chlorophenol	Various	With reference to BS EN 12673 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0.5 µg/L	<0.5	-	0.025 mg/kg	<0.025	-
8	**Short Chain Chlorinated Paraffins (SCCP) with C10 –C13**								
8.1	Short Chain Chlorinated Paraffins (SCCP), C_{10}-C_{13}	85535-84-8	Solvent extraction followed by GC/ECD and GC/NCI analysis	0.4 µg/L	<0.4	-	0.03 mg/kg	<0.03	-
9	**Heavy Metals**								
9.1	Total Cadmium (Cd)	7440-43-9	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	0.1 µg/L	**0.40**	-	1 mg/kg	**3.2**	-
9.2	Total Lead (Pb)	7439-92-1	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	1 µg/L	<1	-	1 mg/kg	**21**	-
9.3	Total Mercury (Hg)	7439-97-6	With reference to USEPA 7473 or Acid Digestion with ICP or ICP/MS analysis	0.05 µg/L	<0.05	-	0.006 mg/kg	**0.25**	-
9.4	Total Nickel (Ni)	7440-02-0	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**7**	-	1 mg/kg	**18**	-
9.5	Total Hexavalent Chromium (Cr-VI)	18540-29-9	With reference to APHA 3500Cr A&B or Solvent extraction and derivatisation followed by UV analysis	1 µg/L	<1	-	1 mg/kg	<1	-
9.6	Total Arsenic (As)	7440-38-2	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**27**	-	1 mg/kg	**11**	-
9.7	Total Chromium (Cr)	7440-47-3	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**17**	**Composite sample (for 2 hours) ≤2000 ug/L[1]**	1 mg/kg	**35**	-
9.8	Total Copper (Cu)	7440-50-8	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**113**	-	1 mg/kg	**191**	-
9.9	Total Zinc (Zn)	7440-66-6	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**939**	**Composite sample (for 2 hours) ≤12000 ug/L[2]**	4 mg/kg	**3310**	-
9.10	Total Manganese (Mn)	7439-96-5	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**58**	-	1 mg/kg	**31**	-
9.11	Total Antimony (Sb)	7440-36-0	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**4.4**	-	1 mg/kg	**1.6**	-
9.12	Total Cobalt (Co)*	7440-48-4	With reference to USEPA 200.8, SM 3125 or Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**21**	-	1 mg/kg	<1	-
10	**Alkylphenols (APEOs)**								
10.1	Octylphenol	various 140-66-9, 27193-28-8, 1806-26-4	With reference to DIN EN ISO 18857 and followed by GC/MS or LC/MS analysis	1 µg/L	<1	-	0.2 mg/kg	<0.2	-
10.2	Nonylphenol	various 25154-52-3, 104-40-5, 90481-04-2, 84852-15-3, 1173019-62-9	With reference to DIN EN ISO 18857 and followed by GC/MS or LC/MS analysis	1 µg/L	<1	-	0.2 mg/kg	<0.2	-
10.3	NPEO, n=1~2	various	With reference to DIN EN ISO 18857 and followed by GC/MS or LC/MS analysis	1 µg/L	<1	-	0.2 mg/kg	<0.2	-

Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster			Sludge		
				Waste Waster Reporting Limit	Effluent	Local Requirement	Reporting Limit	Sludge	Local Requirement (if applicable)
10.4	NPEO, n=3~18	various 9016-45-9, 26027-38-3 68412-54-4, 127087-87-0, 37205-87-1	With reference to DIN EN ISO 18857 and followed by GC/MS or LC/MS analysis	1 µg/L	<1	-	0.2 mg/kg	<0.2	-
10.5	OPEO, n=1~2	various	With reference to DIN EN ISO 18857 and followed by GC/MS or LC/MS analysis	1 µg/L	<1	-	0.2 mg/kg	<0.2	-
10.6	OPEO, n=3~18	various 9002-93-1, 9036-19-5, 68987-90-6	With reference to DIN EN ISO 18857 and followed by GC/MS or LC/MS analysis	1 µg/L	<1	-	0.2 mg/kg	<0.2	-
11	**PFCs (Perfluorocarbon / Polyfluorinated Compounds)**								
11.1	PFOA	335-67-1	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.2	PFNA	375-95-1	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.3	PFBS	375-73-5, 59933-66-3	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.4	PFOS	1763-23-1	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.5	POSF	307-35-7	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis			-			-
11.6	4:2 FTOH	2043-47-2	With reference to CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.7	6:2 FTOH	647-42-7	With reference to CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.8	8:2 FTOH	678-39-7	With reference to CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.9	10:2 FTOH	865-86-1	With reference to CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.10	PFHXS	355-46-4	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.11	PFHXA	307-24-4	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.12	PFOSA	754-91-6	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.13	N-Me-FOSA	31506-32-8	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.14	N -Et-FOSA	4151-50-2	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.15	N-Me-FOSE alcohol	24448-09-7	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.16	N-Et-FOSE alcohol	1691-99-2	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.17	PFBA	375-22-4	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.18	PFPeA	2706-90-3	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.19	PFHpA	375-85-9	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.20	PFDA	335-76-2	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.21	PFUnA	2058-94-8	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.22	PFDoA	307-55-1	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.23	PFTrA	72629-94-8	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.24	PFTeA	376-06-7	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.25	PFHpS	375-92-8	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.26	PFDS	335-77-3	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.27	6:2 FTA	17527-29-6	With reference to CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.28	8:2 FTA	27905-45-9	With reference to CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.29	10:2 FTA	17741-60-5	With reference to CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.1 µg/L	<0.1	-	0.01 mg/kg	<0.01	-
11.30	PF-3,7-DMOA	172155-07-6	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.31	HPFHpA	1546-95-8	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.32	4HPFUnA	34598-33-9	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
11.33	1H, 1H, 2H, 2H- PFOS	27619-97-2	With reference to USEPA 537 or CEN/TS 15968 and followed by GC/MS or LC/MS analysis	0.01 µg/L	<0.01	-	0.001 mg/kg	<0.001	-
12	**Ortho- Phenylphenol**								
12.1	o-Phenylphenol (OPP)	90-43-7	Solvent extraction followed by GC/MS analysis.	1 µg/L	<1	-	0.025 mg/kg	<0.025	-

Remarks:
*Best current testing technology using lowest detection
^The test result is based on the calculation of selected element(s) and to the worst-case scenario
#The sample is tested based on dry mass, percentage of moisture of sludge = **80%**
[1]Applicable for Textile Industry (Open Fibre, Yarn Production and Training) / (Woven Fabric Finishing) / (Cotton production) / (wool washing, finishing, weaving) / (Knit Fabric Finishing and etc.) / (Carpet finishing) only
[2]Applicable for Textile Industry (synthetic textile finishing) only

PHOTOGRAPHS

EFFLUENT(ETP DISCHARGE)

SLUDGE(ETP SLUDGE DEWATERING)