TEST REPORT NO.:	SHE16-07433	Date:	2016/10/08

Factory Name	**JACK WOLFSKIN**
Factory Address	Jack Wolfskin Kreisel 165510 Idstein/Ts., Germany

The following sample was collected by the SGS:

Sampling Date:	2016/09/19
Sample Receiving Date:	2016/09/19
Sample Received Quantity:	Inlet water 8L, Raw water 8L, Discharge water 8L, sludge 500g
Sample Description:	1.Inlet water
	2.Raw water
	3.Discharge water
	4.sludge
Buyer Name:	Jack Wolfskin
Importer Name:	5045
Country of Origin:	CHINA
Country of Destination:	CHINA
Factory Discharge Location:	5045
Test Performing Period	2016/09/19 TO 2016/10/08

Remarks

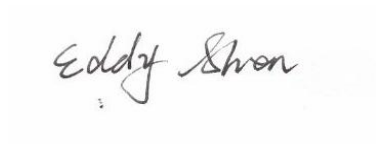
1.This test document cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.

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

Disclaimer:

The reporting limits will be subjected to adjustment if significant matrix interference is observed during the analytical process

Signed for and on behalf of



Eddy SHEN

Lab Manager

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
Phthalates										
Di(2-Ethyl Hexyl) Phthalate (DEHP)	117-81-7	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	**13**	n.d.	0,3	mg/kg	**6,3**
Bis(2-methoxyethyl)phthalate (DMEP)	117-82-8	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Di-N-Octyl Phthalate (DNOP)	117-84-0	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Di-Iso-Decyl Phthalate (DIDP)	26761-40-0, 68515-49-1	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Di-Iso-Nonyl Phthalate (DINP)	28553-12-0, 68515-48-0	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Di-N-Hexyl Phthalate (DNHP)	84-75-3	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Dibutyl Phthalate (DBP)	84-74-2	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	**0,9**
Benzyl Butyl Phthalate (BBP)	85-68-7	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Dinonyl phthalate (DNP)	84-76-4	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Diethyl Phthalate (DEP)	84-66-2	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Di-N-Propyl Phthalate (DPRP)	131-16-8	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Di-Iso-Butyl Phthalate (DIBP)	84-69-5	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	**2**
Dicyclohexyl Phthalate (DCHP)	84-61-7	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Di-Iso-Octyl Phthalate (DIOP)	27554-26-3	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
1,2-Benzenedicaboxylic acid, Di-C7-11 Branched and Linear Alkyl Esters (DHNUP)	68515-42-4	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
1,2-Benzenedicaboxylic acid, Di-C6-8 Branched Alkyl Esters, C7-rich (DIHP)	71888-89-6	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	10	µg/L	n.d.	n.d.	n.d.	0,3	mg/kg	n.d.
Flame retardants										
Polybrominated biphenyls (PBBs)	59536-65-1	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,03	mg/kg	n.d.
Pentabromodiphenyl ethers (PentaBDE)	32534-81-9	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,03	mg/kg	n.d.
Octabromodiphenyl ethers (OctaBDE)	32536-52-0	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,03	mg/kg	n.d.
Decabromodiphenyl ethers (DecaBDE)	1163-19-5	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,03	mg/kg	n.d.
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,25	mg/kg	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
Tris(1-aziridinyl)phosphine oxide) (TEPA)	545-55-1	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,25	mg/kg	n.d.
Tetrabromobisphenol A (TBBPA)	79-94-7	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,25	mg/kg	n.d.
Hexabromocyclododecane (HBCDD)	134237-50-6, 134237-51-7, 134237-52-8, 25637-	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,25	mg/kg	n.d.
Bis(2,3-dibromopropyl)phosphate (BIS)	5412-25-9	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,25	mg/kg	n.d.
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,25	mg/kg	n.d.
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,25	mg/kg	n.d.
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	13674-87-8	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,25	mg/kg	n.d.
Azo dyes										
4-Aminodiphenyl	92-67-1	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Benzidine	92-87-5	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
4-Chloro-o-Toluidine	95-69-2	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2-Naphthylamine	91-59-8	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
o-Aminoazotoluene	97-56-3	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2-Amino-4-Nitrotoluene	99-55-8	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
p-Chloroaniline	106-47-8	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2,4-Diaminoanisole	615-05-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
3,3'-Dichlorobenzidine	91-94-1	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
3,3'-Dimethoxybenzidine	119-90-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
3,3'-Dimethylbenzidine	119-93-7	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
p-Cresidine	120-71-8	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
4,4'-Oxydianiline	101-80-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
4,4'-Thiodianiline	139-65-1	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
o-Toluidine	95-53-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2,4-Toluylenediamine	95-80-7	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2,4,5-Trimethylaniline	137-17-7	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
o-Anisidine	90-04-0	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
p-Aminoazobenzene	60-09-3	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2,4-Xylidine	95-68-1	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2,6-Xylidine	87-62-7	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Carcinogenic dyes and Disperse dyes										
Acid Red 26	3761-53-3	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Basic Blue 26	2580-56-5	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Basic Red 9	569-61-9	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Basic Violet 14	632-99-5	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Basic Green 4 (malachite green)	10309-95-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Basic Green 4 (malachite green chloride)^	569-64-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Basic Green 4 (malachite green oxalate)^	2437-29-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Direct Blue 6	2602-46-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Direct Black 38	1937-37-7	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Direct Red 28	573-58-0	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Brown 1	23355-64-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Blue 1	2475-45-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Blue 3	2475-46-9	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
Disperse Blue 7	3179-90-6	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Blue 26	3860-63-7	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Blue 35	12222-75-2, 56524-77-7	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Blue 102	12222-97-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Blue 106	12223-01-7	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Blue 124	61951-51-7	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Orange 1	2581-69-3	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Orange 3	730-40-5	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Orange 11	82-28-0	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Orange 37/59/76	13301-61-6	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Red 1	2872-52-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Red 11	2872-48-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Red 17	3179-89-3	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Yellow 1	119-15-3	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Yellow 3	2832-40-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Yellow 9	6373-73-5	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Yellow 39	12236-29-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Disperse Yellow 49	54824-37-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Organotin Compounds										
Mono-, di- and tri-methyltin derivatives	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Monomethyltin (MMT)	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Dimethyltin (DMT)	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Trimethyltin (TMT)	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
Mono-, di- and tri-butyltin derivatives	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Monobutyltin (MBT)	1118-46-3, 78763-54-9	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Dibutyltin (DBT)	1002-53-5	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Tributyltin (TBT)	56573-85-4	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Mono-, di- and tri-octyltin derivatives	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Monooctyltin (MOT)	15231-57-9	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Dioctyltin (DOT)	94410-05-6, 12531-44-4	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Trioctyltin (TOT)	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Mono-, di- and tri-phenyltin derivatives	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Monophenyltin (MPhT)	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Diphenyltin (DPhT)	Multiple	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Triphenyltin (TPhT)	892-20-6, 668-34-8	With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.	0,01	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Chlorobenzenes and Chlorotoluenes										
Dichlorobenzenes	Multiple	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	95-50-1	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
1,3-Dichlorobenzene	541-73-1	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
1,4-Dichlorobenzene	106-46-7	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Trichlorobenzene	Multiple	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	87-61-6	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
1,2,4-Trichlorobenzene	120-82-1	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
1,3,5-Trichlorobenzene	108-70-3	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Tetrachlorobenzene	12408-10-5	-	-	-	-	-	-	-	-	-
1,2,3,4-Tetrachlorobenzene	634-66-2	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02		16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)		Sludge
Sampling Time	08:55	09:20	09:13		09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016		19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016		19.09.2016
Sample Description	water	water	water		Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
1,2,3,5-Tetrachlorobenzene	634-90-2	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
1,2,4,5-Tetrachlorobenzene	95-94-3	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Pentachlorobenzene	608-93-5	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Hexachlorobenzene	118-74-1	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Chlorotoluenes	Multiple	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	95-49-8	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
3-Chlorotoluene	108-41-8	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
4-Chlorotoluene	106-43-4	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Dichlorotoluenes	Multiple	-	-	-	-	-	-	-	-	-
2,3-Dichlorotoluene	32768-54-0	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2,4-Dichlorotoluene	95-73-8	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2,5-Dichlorotoluene	19398-61-9	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2,6-Dichlorotoluene	118-69-4	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
3,4-Dichlorotoluene	95-75-0	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Trichlorotoluenes	Multiple	-	-	-	-	-	-	-	-	-
2,3,6-Trichlorotoluene	2077-46-5	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
2,4,5-Trichlorotoluene	6639-30-1	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Alpha,2,4-Trichlorotoluene	94-99-5	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Alpha,2,6-Trichlorotoluene	2014-83-7	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Alpha,3,4-Trichlorotoluene	102-47-6	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Tetrachlorotoluenes	Multiple	-	-	-	-	-	-	-	-	-
Alpha,alpha,2,6-Tetrachlorotoluene	81-19-6	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Alpha,alpha,alpha,2-Tetrachlorotoluene	2136-89-2	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
Alpha,alpha,alpha,4-Tetrachlorotoluene	5216-25-1	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Pentachlorotoluene	877-11-2	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	0,2	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
Halogenated solvents & Volatile organic compounds (VOCs)										
1,2-Dichloroethane	107-06-2	With reference to USEPA 8260B, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Methylene chloride	75-09-2	With reference to USEPA 8260B, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Trichloroethene	79-01-6	With reference to USEPA 8260B, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Tetrachloroethene	127-18-4	With reference to USEPA 8260B, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Benzene	71-43-2	With reference to ISO 11423-1, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Xylene	1330-20-7	With reference to ISO 11423-1, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
o-cresol	95-48-7	With reference to ISO 11423-1, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
p-cresol	106-44-5	With reference to ISO 11423-1, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
m-cresol	108-39-4	With reference to ISO 11423-1, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	0,1	mg/kg	n.d.
Chlorophenols										
Pentachlorophenols (PCP)	87-86-5	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
Tetrachlorophenols (TeCP)	25167-83-3	-	-	-	-	-	-	-	-	-
2,3,4,5-Tetrachlorophenol	4901-51-3	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
2,3,4,6-Tetrachlorophenol	58-90-2	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
2,3,5,6-tetrachlorophenol	935-95-5	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
Trichlorophenol (TriCP)	25167-82-2	-	-	-	-	-	-	-	-	-
2,3,4-trichlorophenol	15950-66-0	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
2,3,5-trichlorophenol	933-78-8	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
2,4,5-trichlorophenol	95-95-4	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
2,4,6-trichlorophenol	88-06-2	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
3,4,5-trichlorophenol	609-19-8	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
Dichlorophenols (DiCP)	25167-81-1	-	-	-	-	-	-	-	-	-
2,3-dichlorophenol	576-24-9	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
2,4-dichlorophenol	120-83-2	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
2,5-dichlorophenol	583-78-8	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
2,6-dichlorophenol	87-65-0	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
3,4-dichlorophenol	95-77-2	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
3,5-dichlorophenol	591-35-5	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
Monochlorophenols (MonoCP)	Various	-	-	-	-	-	-	-	-	-
2-chlorophenol	95-57-8	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
3-chlorophenol	108-43-0	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
4-chlorophenol	106-48-9	With reference to USEPA 8270D or Solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.	0,5	µg/L	n.d.	n.d.	n.d.	0,025	mg/kg	n.d.
Short Chain Chlorinated Paraffins with C10 –C13 (SCCPs)										
Short Chain Chlorinated Paraffins (SCCP), C_{10}-C_{13}	85535-84-8	With reference to ISO 22032, USEPA 527, USEPA 8321B or Solvent extraction followed by GC/ECD or GC/NCI analysis	5	µg/L	n.d.	n.d.	n.d.	0,03	mg/kg	**1,14**
Heavy Metals										
Total Lead (Pb)	7439-92-1	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	100	µg/L	n.d.	n.d.	n.d.	1	mg/kg	**16**
Total Cadmium (Cd)	7440-43-9	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	100	µg/L	n.d.	n.d.	n.d.	1	mg/kg	n.d.
Total Mercury (Hg)	7439-97-6	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, USEPA 7473, ISO 18412 or Acid Digestion followed by ICP or	10	µg/L	n.d.	n.d.	n.d.	0,006	mg/kg	**0,079**
Total Antimony (Sb)	7440-36-0	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	100	µg/L	n.d.	**208**	n.d.	1	mg/kg	**461**
Total Arsenic (As)	7440-38-2	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	50	µg/L	n.d.	n.d.	n.d.	1	mg/kg	**6**
Total Chromium (Cr)	7440-47-3	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	200	µg/L	n.d.	n.d.	n.d.	1	mg/kg	**87**

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
Total Hexavalent Chromium (Cr-VI)	7440-47-3, 18540-29-9	With reference to USEPA 218.6, ISO 18412 or Solvent extraction and derivatisation followed by UV/Vis analysis	50	µg/L	n.d.	n.d.	n.d.	1	mg/kg	n.d.
Total Nickel (Ni)	7440-02-0	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	200	µg/L	n.d.	n.d.	n.d.	1	mg/kg	**8**
Total Copper (Cu)	7440-50-8	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	2000	µg/L	n.d.	n.d.	n.d.	1	mg/kg	**30**
Total Zinc (Zn)	7440-66-6	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	500	µg/L	n.d.	n.d.	n.d.	4	mg/kg	**127**
Total Cobalt (Co)	7440-48-4	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	50	µg/L	n.d.	n.d.	n.d.	1	mg/kg	**2**
Total Silver (Ag)	7440-22-4	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885 or Acid Digestion followed by ICP or ICP/MS	100	µg/L	n.d.	n.d.	n.d.	1	mg/kg	**3,13**
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs)										
Nonylphenol	Multiple, including 25154-52-3, 104-40-5,	With reference to DIN EN ISO 18857 or ASTM D7065 followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,2	mg/kg	n.d.
Octylphenol	Multiple, including 140-66-9, 27193-28-8,	With reference to DIN EN ISO 18857 or ASTM D7065 followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,2	mg/kg	n.d.
NPEO, n=1~18	Multiple, including 9016-45-9, 26027-38-3	With reference to DIN EN ISO 18857 or ASTM D7065 followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,2	mg/kg	n.d.
OPEO, n=1~18	Multiple, including 9002-93-1, 9036-19-5,	With reference to DIN EN ISO 18857 or ASTM D7065 followed by GC/MS or LC/MS analysis	5	µg/L	n.d.	n.d.	n.d.	0,2	mg/kg	n.d.
Perfluorinated / Polyfluorinated Chemicals (PFCs)										
PFOS	1763-23-1	With reference to DIN38407-42 or CEN/TS 15968 and followed by LS/MS or LC/MS/MS analysis	0,01	µg/L	n.d.	n.d.	n.d.	0,001	mg/kg	n.d.
PFOA	335-67-1	With reference to DIN38407-42 or CEN/TS 15968 and followed by LS/MS or LC/MS/MS analysis	0,01	µg/L	n.d.	n.d.	**0,03**	0,001	mg/kg	n.d.
PFBS	375-73-5, 59933-66-3, 29420-49-3, 29420-43-3	With reference to DIN38407-42 or CEN/TS 15968 and followed by LS/MS or LC/MS/MS analysis	0,01	µg/L	n.d.	n.d.	n.d.	0,001	mg/kg	n.d.
PFHxA	307-24-4	With reference to DIN38407-42 or CEN/TS 15968 and followed by LS/MS or LC/MS/MS analysis	0,01	µg/L	n.d.	n.d.	n.d.	0,001	mg/kg	n.d.
6:2 FTOH	647-42-7	With reference to DIN38407-42 or CEN/TS 15968 and derivatisation with acetic anhydride followed by GC/MS analysis.	1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	n.d.
8:2 FTOH	678-39-7	With reference to DIN38407-42 or CEN/TS 15968 and derivatisation with acetic anhydride followed by GC/MS analysis.	1	µg/L	n.d.	n.d.	n.d.	0,01	mg/kg	**0,29**
Polycyclic Aromatic Hydrocarbons (PAHs)										
Bezno[a]pyrene	50-32-8	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Anthracene	120-12-7	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
Pyrene	129-00-0	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Benzo[ghi]perylene	191-24-2	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Benzo[e]pyrene	192-97-2	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Indeno[1,2,3-cd]pyrene	193-39-5	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Benzo[j]fluoranthene	205-82-3	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Benzo[b]fluoranthene	205-99-2	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Fluoranthene	206-44-0	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Benzo[k]fluoranthene	207-08-9	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Acenaphthylene	208-96-8	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Chrysene	218-01-9	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Dibenz[a,h]anthracene	53-70-3	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Benzo[a]anthracene	56-55-3	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Acenaphthene	83-32-9	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Phenanthrene	85-01-8	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Fluorene	86-73-7	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Naphthalene	91-20-3	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	1	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Glycols										
Bis(2-methoxyethyl)-ether	111-96-6	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	5000	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
2-Ethoxyethanol	110-80-5	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	5000	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
2-Ethoxyethyl acetate	111-15-9	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	5000	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Ethylene glycol dimethyl ether	110-71-4	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	5000	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
2-Methoxyethanol	109-86-4	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	5000	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
2-Methoxyethylacetate	110-49-6	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	5000	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: SHE16-07433

Factory Name:5045

Factory Address:

Sample ID	16-07433-01	16-07433-03	16-07433-02			16-07433-04
Sampling Location	Inlet water	Raw water	Discharge water (Direct discharge)			Sludge
Sampling Time	08:55	09:20	09:13			09:39
Date Sampled	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Date Received	19.09.2016	19.09.2016	19.09.2016			19.09.2016
Sample Description	water	water	water			Sludge

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	**Inlet water**	**Raw water**	**Discharge water (Direct discharge)**	Reporting Limit*	UNIT	**Sludge**
2-Methoxypropylacetate	70657-70-4	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	5000	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
Triethylene glycol dimethyl ether	112-49-2	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	5000	µg/L	n.d.	n.d.	n.d.	10	mg/kg	n.d.
General Chemistry										
Temperature	-	USEPA 170.1 or GB/T 13195	-	℃			20			
BOD (5-day)	-	USEPA 405.1, APHA 5210B, ISO 5815-1 or HJ 505	30	mg/L			n.d.			
COD	-	USEPA 410.4, APHA 5220D, ISO 6060 or GB/T 11914	150	mg/L			n.d.			
TSS	-	USEPA 160.2, APHA 2540D, ISO 11923 or GB/T 11901	50	mg/L			n.d.			
pH Value	-	USEPA 150.1, APHA 4500-H+, ISO 10523 or GB/T 6920	-	-			**7,3**			
Colour	-	USEPA 110.1, USEPA 110.2, APHA 2120B, ISO 7887 (Method D) or GB/T 11903	150	Pt-Co			n.d.			
Oil and Grease	-	USEPA 1664, ISO 9377-2, HJ 637	10	mg/L			n.d.			
Total phenolics	-	APHA 5530 B, C & D, ISO 14402 or HJ 503	0,5	mg/L			n.d.			
Coliform	-	USEPA 9132, ISO 9308 or GB/T 5750.12	400	Bacteria / 100ml			**1300**			
Foam	-	N/A	Not visible	Not visible			Not visible			
Total Nitrogen (Total-N)	-	USEPA 351.2, APHA 4500N-C, ISO 5663, ISO 29441, HJ 636 or GB 11891	30	mg/L			n.d.			
Ammonium Nitrogen (Ammonium-N)	-	USEPA 350.1, APHA 4500NH3-N, ISO 7150, ISO 11732, HJ 535 or HJ 536	10	mg/L			n.d.			
Total Phosphorus (Total-P)	-	USEPA 365.4, APHA 4500P-J, ISO 6878, ISO 11885 or GB/T 11893	3	mg/L			n.d.			
Sulfide	-	APHA 4500-S2-D, ISO 10530 or GB/T 16489	0,5	mg/L			n.d.			
Sulfite	-	USEPA 377.1,HJ 84 or ISO 10304-3	2	mg/L			n.d.			

Remarks:
n.d. = Not Detected
^The test result is based of the calculation of selected element(s) and to the worst-case scenario
*Base on client requirement
Moisture content of sludge = 79.0%

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PHOTOGRAPHS

Inlet water

Discharge water (Direct Discharge)

Raw water

Sludge

***** End Of Report *****