



TEST REPORT NO.:VNSL1611017245TX	Date: Nov 17, 2016
----------------------------------	--------------------

Factory Name 5183

Factory Address

The following sample was collected by the SGS: Adam Lee

Sampling Date: Oct.10, 2016
Sample Receiving Date: Nov 08, 2016
Sample Received Quantity: Inlet 7L / Outlet 7L
Sample Description: (A) INLET, (B) EFFLUENT

Buyer Name: JW DETOX
Importer Name:
Country of Origin:
Country of Destination:
Factory Discharge Location: Effluent, Before treatment

Test Performing Period Nov 08, 2016 - Nov 17, 2016

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

SGS VIETNAM LTD

Thai Thuy Ngan

Softlines Customer Service Manager

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	
					Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
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.	n.d.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
1,2-Benzenedicarboxylic 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.
1,2-Benzenedicarboxylic 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.
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.
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.

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
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.
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.
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.
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.
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.
Hexabromocyclododecane (HBCDD)	134237-50-6, 134237-51-7, 134237-52-8,	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.
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.
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.
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.
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.
Azo dyes						
4-Aminodiphenyl	92-67-1	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
Benzidine	92-87-5	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
4-Chloro-o-Toluidine	95-69-2	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
2-Naphthylamine	91-59-8	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
o-Aminoazotoluene	97-56-3	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
2-Amino-4-Nitrotoluene	99-55-8	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
p-Chloroaniline	106-47-8	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
2,4-Diaminoanisoole	615-05-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	
					Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
3,3'-Dichlorobenzidine	91-94-1	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
3,3'-Dimethoxybenzidine	119-90-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
3,3'-Dimethylbenzidine	119-93-7	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
p-Cresidine	120-71-8	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
4,4'-Oxydianiline	101-80-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
4,4'-Thiodianiline	139-65-1	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
o-Toluidine	95-53-4	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
2,4-Toluylenediamine	95-80-7	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
2,4,5-Trimethylaniline	137-17-7	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
o-Anisidine	90-04-0	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
p-Aminoazobenzene	60-09-3	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
2,4-Xylidine	95-68-1	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	n.d.
2,6-Xylidine	87-62-7	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.	0,1	µg/L	n.d.	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.
Basic Blue 26	2580-56-5	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Basic Red 9	569-61-9	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Basic Violet 14	632-99-5	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
Basic Green 4 (malachite green)	10309-95-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	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.
Basic Green 4 (malachite green oxalate)^	2437-29-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Direct Blue 6	2602-46-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Direct Black 38	1937-37-7	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Direct Red 28	573-58-0	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Brown 1	23355-64-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Blue 1	2475-45-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Blue 3	2475-46-9	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Blue 7	3179-90-6	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Blue 26	3860-63-7	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	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.
Disperse Blue 102	12222-97-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Blue 106	12223-01-7	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Blue 124	61951-51-7	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Orange 1	2581-69-3	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Orange 3	730-40-5	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Orange 11	82-28-0	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Orange 37/59/76	13301-61-6	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Red 1	2872-52-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Red 11	2872-48-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.

ORGANIC & INORGANIC ANALYSIS

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
Disperse Red 17	3179-89-3	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Yellow 1	119-15-3	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Yellow 3	2832-40-8	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Yellow 9	6373-73-5	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Yellow 39	12236-29-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	n.d.
Disperse Yellow 49	54824-37-2	Solvent extraction followed by LC/MS analysis.	5000	µg/L	n.d.	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.
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.
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.
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.
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.
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	0,03	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	0,15	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.
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.
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.
Diocetyl tin (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.
Triocetyl tin (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.
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.

ORGANIC & INORGANIC ANALYSIS

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	
					Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.

ORGANIC & INORGANIC ANALYSIS

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	
					Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
Halogenated solvents & Volatile organic compounds (VOCs)						

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	
					Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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 ICP/MS	5	µg/L	n.d.	n.d.
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.	1840

ORGANIC & INORGANIC ANALYSIS

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	
					Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
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	20	µg/L	n.d.	n.d.
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.	226
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	10	µg/L	n.d.	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.	223
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	1000	µg/L	n.d.	n.d.
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.
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.
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.
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs)						
Nonylphenol	Multiple, including 25154-52-3, 104	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.
Octylphenol	Multiple, including 140-66-9, 27193	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.
NPEO, n=1-18	Multiple, including 9016-45-9,	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.
OPEO, n=1-18	Multiple, including 9002-93-1, 9036	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.
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.
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.
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.
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.
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.

ORGANIC & INORGANIC ANALYSIS

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	
					Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
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.
Polycyclic Aromatic Hydrocarbons (PAHs)						
Benzo[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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.

Report No.: VNSL1611017245TX

Factory Name: 5183

Factory Address:

Sample ID	Inlet water	Outlet water
Sampling Location	Inlet	Outlet
Sampling Time	10:00~16:00	10:00~16:00
Date Sampled	10.10.2016	10.10.2016
Date Received	08.11.2016	08.11.2016
Sample Description	Water	Water

ITEMS	CAS No.	METHODS	Reporting Limit	UNIT	Inlet water	Raw water (with ETP plant) / Raw water (without ETP plant)
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.
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.
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.
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.
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.
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.
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.
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.

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 = **XX.X%**

PHOTOGRAPHS

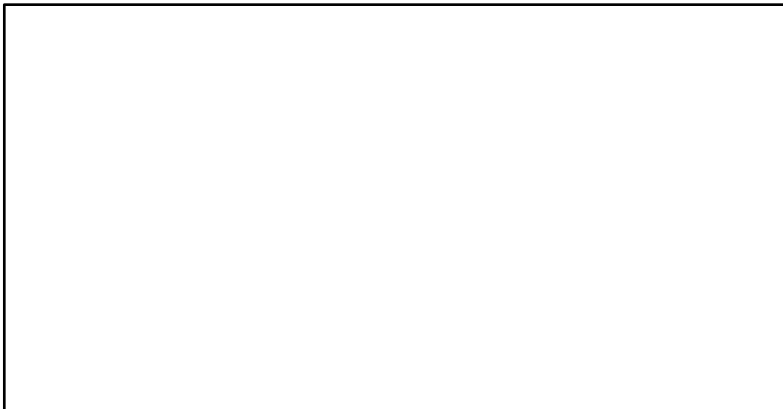
Inlet water



Raw water (with ETP plant) / Raw water (without ETP plant)



Sludge



*** End Of Report ***