



ClearStream

By ZDHC

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Version:

ZDHC Wastewater Guidelines V1.1

DETAILED PERFORMANCE BREAKDOWN

The section below shows the detailed results from your Laboratory test report in context with the ZDHC Wastewater Guidelines and scoring methodology. Please note that indirect suppliers are not expected to achieve the foundational limits for conventional parameters set forth in Appendix A, Tables 1A-1B, of the ZDHC Wastewater Guidelines, therefore, indirect suppliers' data is not compared to ZDHC limits for conventional parameters, and Indirect Supplier should not compare their data to ZDHC limits for conventional parameters in line with the Wastewater Guideline. Temperature data is not currently scored on the ClearStream Report.

	INCOMING WATER	RAW WASTEWATER	SLUDGE	DISCHARGE WASTEWATER
<p>Conventional Legend:</p> <ul style="list-style-type: none"> ■ Aspirational ■ Progressive ■ Foundational ■ Alert ■ Not Analysed 				NOT ANALYSED
<p>MRSL Legend:</p> <ul style="list-style-type: none"> ■ Meets Requirements ■ Doesn't Meet Requirements ■ Not Analysed 				NOT ANALYSED

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
Conventional Parameters									
Phenol	NA - Test Item Not Requested		ND						-
COD	NA - Test Item Not Requested		408	mg/l					-
Oil and Grease	NA - Test Item Not Requested		1.2	mg/l					-
TSS	NA - Test Item Not Requested		32	mg/l					-
BOD5	NA - Test Item Not Requested		211	mg/l					-
Persistent Foam	NA - Test Item Not Requested		ND						-
COLOUR 436 NM	NA - Test Item Not Requested		36.0	M-1					-
COLOUR 525 NM	NA - Test Item Not Requested		30.4	M-1					-
COLOUR 620 NM	NA - Test Item Not Requested		15.9	M-1					-
Coliform	NA - Test Item Not Requested		100000	bacteria/100 ml					-
Temp-Difference									-
Temp-Discharge Pipe									-
Total-P	NA - Test Item Not Requested		0.82	mg/l					-
Temp-Receiving Water									-
Total-N	NA - Test Item Not Requested		115.3	mg/l					-
pH	NA - Test Item Not Requested		7.2	None					-
Ammonium-N	NA - Test Item Not Requested		ND						-
AOX	NA - Test Item Not Requested		ND						-
Anions									
Cyanide	NA - Test Item Not Requested		0.13	mg/l					-
Sulfite	NA - Test Item Not Requested		0.76	mg/l					-
Sulfide	NA - Test Item Not Requested		ND						-
Metals									
Copper	NA - Test Item Not Requested		0.28	mg/l					-
Antimony	NA - Test Item Not Requested		0.04	mg/l					-
Cadmium	NA - Test Item Not Requested		ND						-
Mercury	NA - Test Item Not Requested		ND						-
Silver	NA - Test Item Not Requested		ND						-
Lead	NA - Test Item Not Requested		ND						-
Chromium, total	NA - Test Item Not Requested		ND						-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
Cobalt	NA - Test Item Not Requested		ND						-
Nickel	NA - Test Item Not Requested		ND						-
Zinc	NA - Test Item Not Requested		ND						-
Arsenic	NA - Test Item Not Requested		ND						-
Chromium (VI)	NA - Test Item Not Requested		ND						-
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers									
Octylphenol ethoxylates (OPEO)	NA - Test Item Not Requested		ND						-
Octylphenol (OP), mixed isomers	NA - Test Item Not Requested		ND						-
Nonylphenol (NP), mixed isomers	NA - Test Item Not Requested		ND						-
Nonylphenol ethoxylates (NPEO)	NA - Test Item Not Requested		ND						-
Chlorobenzenes and Chlorotoluenes									
2,3,4,5-Tetrachlorotoluene	NA - Test Item Not Requested		ND						-
2,3,4,6-Tetrachlorotoluene	NA - Test Item Not Requested		ND						-
Monochlorobenzene	NA - Test Item Not Requested		ND						-
2,4,6-Trichlorotoluene	NA - Test Item Not Requested		ND						-
2,3,5,6-Tetrachlorotoluene	NA - Test Item Not Requested		ND						-
Pentachlorobenzene	NA - Test Item Not Requested		ND						-
1,2-Dichlorobenzene	NA - Test Item Not Requested		ND						-
2,4-Dichlorotoluene	NA - Test Item Not Requested		ND						-
3-Chlorotoluene	NA - Test Item Not Requested		ND						-
Hexachlorobenzene	NA - Test Item Not Requested		ND						-
1,3,5-Trichlorobenzene	NA - Test Item Not Requested		ND						-
1,2,3,4-Tetrachlorobenzene	NA - Test Item Not Requested		ND						-
1,2,3,5-Tetrachlorobenzene	NA - Test Item Not Requested		ND						-
1,4-Dichlorobenzene	NA - Test Item Not Requested		ND						-
2,5-Dichlorotoluene	NA - Test Item Not Requested		ND						-
1,2,3-Trichlorobenzene	NA - Test Item Not Requested		ND						-
3,5-Dichlorotoluene	NA - Test Item Not Requested		ND						-
2,3,4-Trichlorotoluene	NA - Test Item Not Requested		ND						-
3,4,5-Trichlorotoluene	NA - Test Item Not Requested		ND						-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
3,4-Dichlorotoluene	NA - Test Item Not Requested		ND						-
2,3,6-Trichlorotoluene	NA - Test Item Not Requested		ND						-
2,4,5-Trichlorotoluene	NA - Test Item Not Requested		ND						-
Pentachlorotoluene	NA - Test Item Not Requested		ND						-
1,3-Dichlorobenzene	NA - Test Item Not Requested		ND						-
1,2,4-Trichlorobenzene	NA - Test Item Not Requested		ND						-
1,2,4,5-Tetrachlorobenzene	NA - Test Item Not Requested		ND						-
2-Chlorotoluene	NA - Test Item Not Requested		ND						-
4-Chlorotoluene	NA - Test Item Not Requested		ND						-
2,3-Dichlorotoluene	NA - Test Item Not Requested		ND						-
2,6-Dichlorotoluene	NA - Test Item Not Requested		ND						-
Chlorophenols									
2,4,6-trichlorophenol	NA - Test Item Not Requested		ND						-
2,3,5-trichlorophenol	NA - Test Item Not Requested		ND						-
2,6-dichlorophenol	NA - Test Item Not Requested		ND						-
2,3-dichlorophenol	NA - Test Item Not Requested		ND						-
2-chlorophenol	NA - Test Item Not Requested		ND						-
4-chlorophenol	NA - Test Item Not Requested		ND						-
2,5-dichlorophenol	NA - Test Item Not Requested		ND						-
2,3,4,5-tetrachlorophenol	NA - Test Item Not Requested		ND						-
2,3,6-trichlorophenol	NA - Test Item Not Requested		ND						-
Pentachlorophenol	NA - Test Item Not Requested		ND						-
3,4,5-trichlorophenol	NA - Test Item Not Requested		ND						-
2,3,4,6-tetrachlorophenol	NA - Test Item Not Requested		ND						-
2,3,5,6-tetrachlorophenol	NA - Test Item Not Requested		ND						-
2,4-dichlorophenol	NA - Test Item Not Requested		ND						-
2,4,5-trichlorophenol	NA - Test Item Not Requested		ND						-
3,5-dichlorophenol	NA - Test Item Not Requested		ND						-
3,4-dichlorophenol	NA - Test Item Not Requested		ND						-
3-chlorophenol	NA - Test Item Not Requested		ND						-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
2,3,4-trichlorophenol	NA - Test Item Not Requested		ND						-
Dyes - Azo (Forming Restricted Amines)									
4-methoxy-m-phenylenediamine	NA - Test Item Not Requested		ND						-
Benzidine	NA - Test Item Not Requested		ND						-
2-naphthylamine	NA - Test Item Not Requested		ND						-
4-methyl-m-phenylenediamine	NA - Test Item Not Requested		ND						-
2,4-xylydine	NA - Test Item Not Requested		ND						-
4,4'-thiodianiline	NA - Test Item Not Requested		ND						-
4,4'-methylenedianiline	NA - Test Item Not Requested		ND						-
4,4'-methylenedi-o-toluidine	NA - Test Item Not Requested		ND						-
4-aminoazobenzene	NA - Test Item Not Requested		ND						-
4,4'-methylene-bis-(2-chloro-aniline)	NA - Test Item Not Requested		ND						-
4,4'-oxydianiline	NA - Test Item Not Requested		ND						-
4-chloroaniline	NA - Test Item Not Requested		ND						-
3,3'-dimethoxybenzidine	NA - Test Item Not Requested		ND						-
3,3'-dimethylbenzidine	NA - Test Item Not Requested		ND						-
6-methoxy-m-toluidine	NA - Test Item Not Requested		ND						-
2,4,5-trimethylaniline	NA - Test Item Not Requested		ND						-
2,6-xylydine	NA - Test Item Not Requested		ND						-
o-anisidine	NA - Test Item Not Requested		ND						-
4-aminodiphenyl	NA - Test Item Not Requested		ND						-
o-toluidine	NA - Test Item Not Requested		ND						-
4-chloro-o-toluidine	NA - Test Item Not Requested		ND						-
o-aminoazotoluene	NA - Test Item Not Requested		ND						-
5-nitro-o-toluidine	NA - Test Item Not Requested		ND						-
Dyes - Carcinogenic									
Disperse Orange 11	NA - Test Item Not Requested		ND						-
C.I. Basic Red 9	NA - Test Item Not Requested		ND						-
C.I. Acid Red 26	NA - Test Item Not Requested		ND						-
C.I. Basic Green 4 (malachite green oxalate)	NA - Test Item Not Requested		ND						-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
C.I. Direct Blue 6	NA - Test Item Not Requested		ND						-
C.I. Disperse Blue 3	NA - Test Item Not Requested		ND						-
C.I. Disperse Blue 1	NA - Test Item Not Requested		ND						-
C.I. Direct Red 28	NA - Test Item Not Requested		ND						-
C.I. Direct Black 38	NA - Test Item Not Requested		ND						-
C.I. Basic Violet 14	NA - Test Item Not Requested		ND						-
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	NA - Test Item Not Requested		ND						-
C.I. Basic Green 4 (malachite green chloride)	NA - Test Item Not Requested		ND						-
C.I. Basic Green 4 (malachite green)	NA - Test Item Not Requested		ND						-
Dyes - Disperse (Sensitizing)									
Disperse Yellow 3	NA - Test Item Not Requested		ND						-
Disperse Red 17	NA - Test Item Not Requested		ND						-
Disperse Blue 7	NA - Test Item Not Requested		ND						-
Disperse Blue 26	NA - Test Item Not Requested		ND						-
Disperse Yellow 49	NA - Test Item Not Requested		ND						-
Disperse Blue 124	NA - Test Item Not Requested		ND						-
Disperse Orange 3	NA - Test Item Not Requested		ND						-
Disperse Yellow 1	NA - Test Item Not Requested		ND						-
Disperse Orange 37/59/76	NA - Test Item Not Requested		ND						-
Disperse Red 11	NA - Test Item Not Requested		ND						-
Disperse Red 1	NA - Test Item Not Requested		ND						-
Disperse Yellow 9	NA - Test Item Not Requested		ND						-
Disperse Brown 1	NA - Test Item Not Requested		ND						-
Disperse Blue 35	NA - Test Item Not Requested		ND						-
Disperse Blue 102	NA - Test Item Not Requested		ND						-
Disperse Blue 106	NA - Test Item Not Requested		ND						-
Disperse Yellow 39	NA - Test Item Not Requested		ND						-
Disperse Orange 1	NA - Test Item Not Requested		ND						-
Halogenated Solvents									
Methylene chloride	ND		ND						-
Trichloroethylene	ND		ND						-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
Tetrachloroethylene	390	µg/l	266	µg/l					-
1,2-dichloroethane	ND		ND						-
Flame Retardants									
Tris(2-chloroethyl)phosphate (TCEP)	NA - Test Item Not Requested		ND						-
Tris(2,3,-dibromopropyl)-phosphate (TRIS)	NA - Test Item Not Requested		ND						-
Pentabromodiphenyl ether (PentaBDE)	NA - Test Item Not Requested		ND						-
Octabromodiphenyl ether (OctaBDE)	NA - Test Item Not Requested		ND						-
Tris(1-aziridinyl)phosphine oxide (TEPA)	NA - Test Item Not Requested		ND						-
Tetrabromobisphenol A (TBBPA)	NA - Test Item Not Requested		ND						-
Hexabromocyclododecane (HBCDD)	NA - Test Item Not Requested		ND						-
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	NA - Test Item Not Requested		ND						-
Short-chain chlorinated Paraffins (SCCP) (C10-C13)	NA - Test Item Not Requested		ND						-
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	NA - Test Item Not Requested		ND						-
Polybromobiphenyls (PBB)	NA - Test Item Not Requested		ND						-
Bis(2,3-dibromopropyl)phosphate (BIS)	NA - Test Item Not Requested		ND						-
Decabromodiphenyl ether (DecaBDE)	NA - Test Item Not Requested		ND						-
Organotin Compounds									
Mono-, di- and tri-methyltin derivatives	NA - Test Item Not Requested		ND						-
Mono-, di- and tri-butyltin derivatives	NA - Test Item Not Requested		ND						-
Mono-, di- and tri-octyltin derivatives	NA - Test Item Not Requested		ND						-
Mono-, di- and tri-phenyltin derivatives	NA - Test Item Not Requested		ND						-
Perfluorinated and Polyfluorinated Chemicals (PFCs)									
PFBS	NA - Test Item Not Requested		ND						-
PFHxA	NA - Test Item Not Requested		ND						-
8:2 FTOH	NA - Test Item Not Requested		ND						-
6:2 FTOH	NA - Test Item Not Requested		ND						-
PFOS	NA - Test Item Not Requested		ND						-
PFOA	NA - Test Item Not Requested		ND						-
Glycols									
Bis(2-methoxyethyl)-ether	NA - Test Item Not Requested		ND						-
2-ethoxyethyl acetate	NA - Test Item Not Requested		ND						-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
Ethylene glycol dimethyl ether	NA - Test Item Not Requested		ND						-
2-methoxyethanol	NA - Test Item Not Requested		ND						-
Triethylene glycol dimethyl ether	NA - Test Item Not Requested		ND						-
2-methoxypropylacetate	NA - Test Item Not Requested		ND						-
2-ethoxyethanol	NA - Test Item Not Requested		ND						-
2-methoxyethylacetate	NA - Test Item Not Requested		ND						-
Otho-Phthalates - Including all ortho esters of phthalic acid									
Bis(2-methoxyethyl) phthalate (DMEP)	NA - Test Item Not Requested		ND						-
Di-iso-decyl phthalate (DIDP)	NA - Test Item Not Requested		ND						-
Di-n-hexyl phthalate (DnHP)	NA - Test Item Not Requested		ND						-
Dibutyl phthalate (DBP)	NA - Test Item Not Requested		ND						-
Dinonyl phthalate (DNP)	NA - Test Item Not Requested		ND						-
Di-n-propyl phthalate (DPRP)	NA - Test Item Not Requested		ND						-
Di-isobutyl phthalate (DIBP)	NA - Test Item Not Requested		ND						-
Di-iso-octyl phthalate (DIOP)	NA - Test Item Not Requested		ND						-
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	NA - Test Item Not Requested		ND						-
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	NA - Test Item Not Requested		ND						-
Di-isononyl phthalate (DINP)	NA - Test Item Not Requested		ND						-
Di(ethylhexyl) phthalate (DEHP)	NA - Test Item Not Requested		ND						-
Di-n-octyl phthalate (DNOP)	NA - Test Item Not Requested		ND						-
Butyl benzyl phthalate (BBP)	NA - Test Item Not Requested		ND						-
Diethyl phthalate (DEP)	NA - Test Item Not Requested		ND						-
Di-cyclohexyl phthalate (DCHP)	NA - Test Item Not Requested		ND						-
Polycyclic Aromatic Hydrocarbons (PAHs)									
Anthracene	NA - Test Item Not Requested		ND						-
Pyrene	NA - Test Item Not Requested		ND						-
Benzo[ghi]perylene	NA - Test Item Not Requested		ND						-
Benzo[e]pyrene	NA - Test Item Not Requested		ND						-
Indeno[1,2,3-cd]pyrene	NA - Test Item Not Requested		ND						-
Benzo[j]fluoranthene	NA - Test Item Not Requested		ND						-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
Benzo[b]fluoranthene	NA - Test Item Not Requested		ND						-
Benzo[k]fluoranthene	NA - Test Item Not Requested		ND						-
Acenaphthylene	NA - Test Item Not Requested		ND						-
Chrysene	NA - Test Item Not Requested		ND						-
Dibenz[a,h]anthracene	NA - Test Item Not Requested		ND						-
Fluorene	NA - Test Item Not Requested		ND						-
Naphthalene	NA - Test Item Not Requested		ND						-
Fluoranthene	NA - Test Item Not Requested		ND						-
Phenanthrene	NA - Test Item Not Requested		ND						-
Benzo[a]pyrene (BaP)	NA - Test Item Not Requested		ND						-
Acenaphthene	NA - Test Item Not Requested		ND						-
Benzo[a]anthracene	NA - Test Item Not Requested		ND						-
Volatile Organic Compounds (VOC)									
o-Cresol	NA - Test Item Not Requested		ND						-
p-Cresol	NA - Test Item Not Requested		ND						-
m-Cresol	NA - Test Item Not Requested		ND						-
Xylene	NA - Test Item Not Requested		ND						-
Benzene	NA - Test Item Not Requested		ND						-

SAMPLE INFORMATION

The section below summarises the information regarding the samples and the testing laboratory.

SAMPLE DETAILS	
Sample Collection	02-02-2021
Duration Date	02-02-2021 02-02-2021
ZDHC Test ID	TR866GT51
Sample Notes	

LABORATORY DETAILS

Laboratory	UL ITALY
Lab Test Reference	21.12932
ZDHC Lab Status	PROVISIONALLY ACCEPTED (17-09-2017)
Address	Viale Europe 28, Cabiato 22060, Italy Cabiato Como Italy
Contact Name	Serena Villa
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