

Oslo vann- og avløpsverk

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OSET VANNRENSSEANLEGG  
Idékonkurranse om utvidelse.

# Vannanalyser fra pilotforsøk

APRIL 1995

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NIVA 

**aquateam**  
norsk vannteknologisk senter as

# NIVA - RAPPORT

Norsk institutt for vannforskning  NIVA

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Ekstrakt: Rapporten er en samling av data av vannanalyser samt avlesninger av kontinuerlige måleinstrumenter i forbindelse med forsøksdrift av tre pilotanlegg ved Oset vannrenseanlegg.
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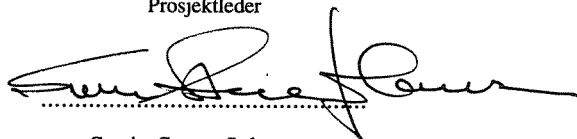
4 emneord, norske

1. Datasamling
2. Vannrensing
3. Oset
4. Idékonkurranse

4 emneord, engelske

1. Data collection
2. Water treatment
3. Oset
4. Design competition

Prosjektleder



Svein Stene-Johansen

For administrasjonen

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Norsk institutt for vannforskning

**O-92177**

## **Vannanalyser fra pilotforsøk**

Oslo, mai 1995

Prosjektleder: Svein Stene-Johansen

Medarbeider: Lars Hem

# Forord

I forbindelse med gjennomføringen av den internasjonale idékonkurransen om utvidelse av Oset vannrenseanlegg ble tre firmakonstellasjoner valgt til å delta med pilotanlegg og forslag til forsøksdrift.

Ansvarlig for selve forsøksdriften var Aquateam A/S og NIVA som også utførte analysene. Dr. ing. Lars Hem, Aquateam A/S har samlet analyseresultatene i den foreliggende rapport og på diskett.

Oslo, 19. mai 1995  
Norsk institutt for vannforskning  
Svein Stene-Johansen  
Prosjektleder

# Innhold

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## **Innledning**

Innholdet i denne rapporten er vannanalyser og avlesninger av kontinuerlige måleinstrumenter i pilotforsøkene i forbindelse med Idékonkurranse Oset.

Dette er kun rådata, og bearbejdet data og konklusjoner finnes i NIVA-Aquateam rapporten "Drift og resultater av forsøksanleggene ved Oset vannrenseanlegg 1994/95".

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
20-Sep-94	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,36	0,375		5	0,43	0,49						
	Color (mg Pt/l)	12,1			2,5	2,5	7,1		3,2				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,67	7,18	6,6	6,6	6,41	6,59						
	Alkalinity (mekv/l)	0,093	0,635					0,911					
	Calcium (mg Ca/l)	2,75	13,7					21,9					
	Conductivity (µS/cm)	29	80,3										
	Temperature (°C)												
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)												
	Head loss (m)												
21-Sep-94	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,375	0,39	3,9	2,8	2,8	5,3		0,1	0,1			
	Color (mg Pt/l)	12,8		2,5	2,8	2,8			4,6				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,67	6,96	6,5	6,44	6,43	6,5	6,96	9,38	9,38			
	Alkalinity (mekv/l)	0,097	0,653					1,02					
	Calcium (mg Ca/l)	2,75	14,3					24,4					
	Conductivity (µS/cm)		80,5										
	Temperature (°C)												
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
21-Sep-94	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	3,7				1,14			0,6				
	Head loss (m)												
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,375	0,4		3,65						0,086		
	Color (mg Pt/l)	12,1			2,8	2,8	4,3	1,4		3,6			
	COD-Mn (mg O/l)												
TOC (mg O/l)													
pH	6,51	6,86		6,58	6,56	6,54	6,55	7,22	0,895	9,02			
Alkalinity (mekv/l)	0,099	0,599							21,6				
Calcium (mg Ca/l)	2,81	12,9											
Conductivity (µS/cm)	29,5	76											
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	3,9					0,94			0,78				
Head loss (m)													
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,39	0,44		3,6	0,665	0,11	0,175			0,113			
Color (mg Pt/l)	12,1			2,5	3,2	3,9	1,8		1,8				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,56	6,73		6,51	6,41	6,47	6,46	7,18		8,22			
Alkalinity (mekv/l)	0,097	0,568							0,689				



Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
23-Sep-94	Calcium (mg Ca/l)	2,72	12,5						16,7				
	Conductivity (µS/cm)	29,1	75,8										
	Temperature (°C)												
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4				0,907			0,64				
	Head loss (m)												
	Plate counts (per ml)	183									12		
	Coliforms (per 100 ml)	21									0		
	Fecal coliforms (per 100 ml)	5									0		
	27-Sep-94	Chlorine residual (mg Cl2/l)											
Ozone residual (mg O3/l)		0,4	0,39		3,5	0,075	0,08		0,025	0,067			
Turbidity (NTU)		12,4			2,8	3,2	1,8		2,8				
Color (mg Pt/l)		2,65							0,99				
COD-Mn (mg O/l)		2,8							1,9				
TOC (mg O/l)		6,55	6,69		6,37	6,55	6,57	7,18		7,02			
pH													
Alkalinity (mekv/l)													
Calcium (mg Ca/l)		2,94	12,4							18,9			
Conductivity (µS/cm)		28,5	72,5										
Temperature (°C)													
Aluminium (mg Al/l)		0,064				0,094	0,04	0,056		0,047			
Iron (mg Fe/l)													
28-Sep-94		Free CO2 (mmol/l)	0,046	0,169						0,065			
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4							0,8				
	Head loss (m)												
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,4	0,41		4		0,08	0,39		0,052			

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
28-Sep-94	Color (mg Pt/l)	12,4		3,2		3,2	2,1		3,2				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,62	7,23			6,64	6,82	7,43	7,58				
	Alkalinity (mekv/l)	0,093	0,615		6,57				0,832				
	Calcium (mg Ca/l)	2,91	12,9						20				
	Conductivity (µS/cm)		80,5										
	Temperature (°C)												
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m <sup>3</sup> /h)	3,9					0,76			0,76			
Head loss (m)						1,06							
29-Sep-94	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl <sub>2</sub> /l)								0,06				
	Ozone residual (mg O <sub>3</sub> /l)												
	Turbidity (NTU)	0,375			4,1	0,25	0,08	0,06		0,04			
	Color (mg Pt/l)	12,1			3,2	3,2	3,2	1,4	2,8				
	COD-Mn (mg O/l)												
	TOC (mg O/l)				6,46	6,55	6,56	6,59	7,42		7,52		
	pH	6,59											
	Alkalinity (mekv/l)	0,096								0,787			
	Calcium (mg Ca/l)	2,78								19,5			
	Conductivity (µS/cm)	27,7											
	Temperature (°C)												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)	3,95					0,79				0,8			
Head loss (m)					0,77	0,99	0,93						
Plate counts (per ml)													
30-Sep-94													

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,39	0,41		4,2	1,4	0,08	0,075		2,8	0,108			
Color (mg Pt/l)	12,4			2,8	3,2	3,2	1,4						
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,6	6,8		6,51	6,54	6,55	6,54	7,5		7,16			
Alkalinity (mekv/l)	0,092	0,626							0,763				
Calcium (mg Ca/l)	2,84	13,1							18,3				
Conductivity (µS/cm)	28,2	78,8											
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4				0,77	0,8			0,82				
Head loss (m)					1,86	1,22	0,8						
Plate counts (per ml)	82								14				
Coliforms (per 100 ml)	33								0				
Fecal coliforms (per 100 ml)	19								0				
Chlorine residual (mg Cl2/l)									0,09				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,42	0,45		3,1	0,59	0,07	0,065			0,047			
Color (mg Pt/l)	11,7			2,5	2,5	2,8	1,8		2,1				
COD-Mn (mg O/l)	3,59								2,28				
TOC (mg O/l)	2,9								1,8				
pH	6,6	7,03		6,42				7,12		6,88			
Alkalinity (mekv/l)	0,099	0,582							0,753				
Calcium (mg Ca/l)	2,33	10,7							16,5				
Conductivity (µS/cm)	28,5	74,1											
Temperature (°C)													
Aluminium (mg Al/l)	0,057				0,253	0,035	0,032		0,035				
Iron (mg Fe/l)													
Free CO2 (mmol/l)	0,019	0,213							0,094*				

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
4-Oct-94	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4			0,765	0,8				0,825			
	Head loss (m)				1,5	1,67	1						
5-Oct-94	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,39	0,38		3,55	0,12	0,07	0,08		0,052			
	Color (mg Pt/l)	11,4			2,5	2,1	2,1	0,7	1,1				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,56	6,5		6,17	6,22	6,23	6,24	6,32		6,54		
	Alkalinity (mekv/l)	0,1	0,423							0,474			
	Calcium (mg Ca/l)	2,56	9,01							12,4			
	Conductivity (µS/cm)	28,2	57,2										
	Temperature (°C)												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4				0,82	0,79				0,79			
Head loss (m)					0,74	1,29	0,76						
6-Oct-94	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,37	0,37		3,6	1,6	0,075	0,077		0,046			
	Color (mg Pt/l)	11,7			2,5	2,5	2,8	1,8	1,8				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,72	6,78		6,47	6,52	6,53	6,45	7,1		6,96		
Alkalinity (mekv/l)													
Calcium (mg Ca/l)	2,78	11,7							16,2				

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
	27,8	70,5											
Conductivity (µS/cm)													
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)	4				0,8	0,8				0,78			
Head loss (m)					1,7	1,32	2,15						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl <sub>2</sub> /l)													
Ozone residual (mg O <sub>3</sub> /l)													
Turbidity (NTU)	0,375	0,39		3,35	0,375	0,22	0,195			0,087			
Color (mg Pt/l)	10,7	12,9		3,2	3,6	3,2	1,8		2,8				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,66	7,13		6,69	6,76	6,77	6,7	7,55		7,41			
Alkalinity (mekv/l)	0,097	0,625							0,713				
Calcium (mg Ca/l)	2,72								16,1				
Conductivity (µS/cm)	27,7												
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)					0,63	0,95	0,7			0,785			
Waterflow (m <sup>3</sup> /h)	4				0,81	0,8							
Head loss (m)					0,63	0,95	0,7						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl <sub>2</sub> /l)													
Ozone residual (mg O <sub>3</sub> /l)													
Turbidity (NTU)	0,36	0,38		2,8	0,82	0,65	0,6			0,671			
Color (mg Pt/l)	11,4			3,9	4,3	4,3	1,8		4,3				

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chern. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
10-Oct-94	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,64	6,68	6,51	6,61	6,62	6,57	6,78	0,528	6,59			
	Alkalinity (mekv/l)	0,099	0,542										
	Calcium (mg Ca/l)												
	Conductivity (µS/cm)	74,2	67,9										
	Temperature (°C)												
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4				0,82	0,8			0,81			
	Head loss (m)					0,35	0,4	0,23					
11-Oct-94	Plate counts (per ml)	63											
	Coliforms (per 100 ml)	20											
	Fecal coliforms (per 100 ml)	15											
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)								0,05				
	Turbidity (NTU)	0,34	0,35			0,5	0,4	0,375		0,232	25	47,5	30
	Color (mg Pt/l)	11,7				4,3	5	2,5					
	COD-Mn (mg O/l)	3,43							2,19				
	TOC (mg O/l)	2,9							2,2		12,2	21,2	14,5
	pH	6,77	6,68		6,45	6,53	6,55	6,56	6,4	7,17			
	Alkalinity (mekv/l)	0,094	0,497							0,71			
	Calcium (mg Ca/l)	2,67	11,2							12,5			
	Conductivity (µS/cm)	26,6	67,3										
	Temperature (°C)												
Aluminium (mg Al/l)	0,047				0,166	0,131	0,129		0,14	5,6	14,1	12,5	
Iron (mg Fe/l)	0,014								0,058				
Free CO2 (mmol/l)	0,028	0,227											
Suspended solids (mg SS/l)			5,3							143	162	98	
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4				0,815	0,8				0,771	5,4	3,4	
Head loss (m)					0,56	0,66	0,67						
12-Oct-94	Plate counts (per ml)												
	Coliforms (per 100 ml)												

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chern. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,36	0,36		6,15	0,34	0,25	0,19			0,186			
Color (mg Pt/l)	11,4			2,5	2,5	2,5	1,4		2,1				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,58	6,68		6,11	6,21	6,16	6,2	6,51		6,72			
Alkalinity (mekv/l)	0,094	0,485							0,563				
Calcium (mg Ca/l)	2,77								16,4				
Conductivity (µS/cm)	27,4	64,8											
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)					0,8	0,8				0,767			
Head loss (m)					1,01	1,57	1,23						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)										0,1			
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,36	0,36		5,5	1,75	1,45	1,1			0,911			
Color (mg Pt/l)	11,4			3,9	6,75	7,1	3,6		6,4				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,78	6,72		6,21	6,37	6,33	6,32	6,67		7,15			
Alkalinity (mekv/l)	0,098	0,482							0,655				
Calcium (mg Ca/l)	2,66								17,1				
Conductivity (µS/cm)	27,5	65,5											
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													

12-Oct-94

13-Oct-94

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
13-Oct-94	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	0,396			0,806	0,82				0,765			
	Head loss (m)				0,86	1,4	1,21						
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,36	0,355	3,65	3,35	3,25	3,1		2,213				
	Color (mg Pt/l)	11		19,9	27,7	26,6	17		23,8				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,46	6,69	6,37	6,44	6,48	6,46	6,79	6,74				
14-Oct-94	Alkalinity (mekv/l)	0,101	0,519						0,521				
	Calcium (mg Ca/l)	2,64	10,7						13,5				
	Conductivity (µS/cm)	27,75	67,6										
	Temperature (°C)												
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4,1			0,815	0,8			0,72				
	Head loss (m)				0,22	0,34	0,27						
	Plate counts (per ml)	82							17				
	Coliforms (per 100 ml)	14							0				
	Fecal coliforms (per 100 ml)	6							0				
	Chlorine residual (mg Cl2/l)								0,1				
	Ozone residual (mg O3/l)								0,1				
	Turbidity (NTU)	0,36	0,36	1,4	0,59	0,575	0,55		0,59	0,478			
	Color (mg Pt/l)	11,4		20,6	20,2	19,5	16,3		19,2				
	COD-Mn (mg O/l)	2,33							1,91				
	TOC (mg O/l)	3							3,3				
	pH	6,6	6,57	6,38	6,44	6,5	6,42	6,51	6,95	6,65			
	Alkalinity (mekv/l)	0,095	0,481						0,583				
	Calcium (mg Ca/l)	2,87							14				
	Conductivity (µS/cm)	27,4	65,2										
19-Oct-94													



Berdal Strømme/Degrément

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chern. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
19-Oct-94	Temperature (°C)												
	Aluminium (mg Al/l)	0,049											
	Iron (mg Fe/l)	0,015	0,79		0,77	0,77	0,71		0,79				
	Free CO2 (mmol/l)	0,024							0,053				
	Suspended solids (mg SS/l)		1,4										
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4			0,79	0,76					0,735		
	Head loss (m)				0,19	0,28	0,1						
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)									0,06				
Ozone residual (mg O3/l)									0,1				
Turbidity (NTU)	0,345	0,35		0,53	0,34	0,32	0,31		0,295	0,296			
Color (mg Pt/l)	11			5,3	5,3	4,8	3,6		3,9				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,82	6,63		6,58	6,59	6,58	6,56	6,57	7,48	7,28			
Alkalinity (mekv/l)	0,093	0,452							0,724				
Calcium (mg Ca/l)	2,77	10,4							15,2				
Conductivity (µS/cm)	27,66	66,2											
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4,08			0,625	0,8					0,775			
Head loss (m)				0,15	0,31	0,1							
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,36	0,43		0,5	0,31	0,29	0,29		0,2	0,229			
Color (mg Pt/l)	11			5,3	5	4,6	3,2		5				
COD-Mn (mg O/l)													

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
TOC (mg O/l)	6,79	6,63		6,47	6,58	6,59	6,58	6,55	8,39	8,9			
pH	0,096	0,497							0,821				
Alkalinity (mekv/l)	2,87	10,3							16,8				
Calcium (mg Ca/l)	28,67	63,7											
Conductivity (µS/cm)													
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)	3,99				0,64	0,8	0,22			0,76			
Head loss (m)					0,19	0,38							
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl <sub>2</sub> /l)													
Ozone residual (mg O <sub>3</sub> /l)													
Turbidity (NTU)	0,34	0,4		0,5	0,35	0,32	0,31		0,31	0,36			
Color (mg Pt/l)	11,7			5,3	5	5	2,5		4,3				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,65	6,71		6,57	6,59	6,61	6,52	6,71	7,02	6,89			
Alkalinity (mekv/l)		0,494							0,606				
Calcium (mg Ca/l)	2,77	10,5							13,4				
Conductivity (µS/cm)		65,4											
Temperature (°C)	8,2												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)	4				0,52	0,8				0,76			
Head loss (m)													
Plate counts (per ml)	86								19				
Coliforms (per 100 ml)	13								0				
Fecal coliforms (per 100 ml)	4								0				

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Chlorine residual (mg Cl2/l)									0,12				
Ozone residual (mg O3/l)	0,34	0,38		0,52	0,325	0,3	0,29		0,1	0,295			
Turbidity (NTU)	11,7			5,7	5,3	5,3	3,6		0,29				
Color (mg Pt/l)	2,64								4,3				
COD-Mn (mg O/l)	2,8								2,05				
TOC (mg O/l)	6,66	6,76		6,39	6,45	6,47	6,47	6,51	2,7	6,75			
pH		0,457							7,09				
Alkalinity (mekv/l)	2,89								0,645				
Calcium (mg Ca/l)		65,2							14				
Conductivity (µS/cm)	8,2												
Temperature (°C)	0,087												
Aluminium (mg Al/l)	0,021			0,327	0,222	0,208	0,165		0,209				
Iron (mg Fe/l)	0,308	0,284							0,119				
Free CO2 (mmol/l)				1,2									
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4								0,76				
Head loss (m)					0,514	0,8							
					0,11	0,31	0,2						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)		0,39		0,45	0,3	0,26	0,27		0,21	0,228			
Color (mg Pt/l)				4,3	3,9	3,9	2,5		4,3				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH		6,76		6,54	6,53	6,57	6,57	6,55	8,34	8,89			
Alkalinity (mekv/l)	0,131	0,462							0,812				
Calcium (mg Ca/l)		9,02							16,5				
Conductivity (µS/cm)	40,2	61,4											
Temperature (°C)	8,2												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
26-Oct-94	4,05				0,37	0,84				0,785			
	Head loss (m)				0,07	0,4	0,11						
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)								0,04				
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,37	0,38	0,73	0,52	0,5	0,49		0,22	0,246			
	Color (mg Pt/l)	11,4		4,3	4,6	4,6	3,9		5				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
27-Oct-94	6,74	6,71		6,62	6,62	6,65	6,6	6,87	8,34	8,48			
	pH								0,769				
	Alkalinity (mekv/l)	0,098	0,486						16,6				
	Calcium (mg Ca/l)	2,49	10										
	Conductivity (µS/cm)	29,5	67,9										
	Temperature (°C)	8,2											
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)				0,65	0,85				0,79			
	Head loss (m)				0,22	0,51	0,27						
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,4	0,4	0,65	0,325	0,3	0,3		0,34	0,28			
	Color (mg Pt/l)	12,4		6,7	4,3	3,9	2,8		2,8				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
28-Oct-94	6,44	6,14		5,96	6,03	6,1	6,17	5,51	7,24	6,89			
	pH								0,568				
	Alkalinity (mekv/l)	0,097	0,21						12,8				
	Calcium (mg Ca/l)	3,01	5,15										
	Conductivity (µS/cm)	29,5	41,48										
	Temperature (°C)	8,1											

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
28-Oct-94	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m <sup>3</sup> /h)				0,8	0,85		4		0,77			
	Head loss (m)				0,49	0,68	0,38						
	Plate counts (per ml)	>=330			50	62	>2400		15				
	Coliforms (per 100 ml)	12			0	0	0		0				
	Fecal coliforms (per 100 ml)	3			0	0	0		0				
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)	0,6	0,5		0,62	0,44	0,41		0,44	0,4			
Turbidity (NTU)	13,5			3,9	3,9	2,8		3,9					
Color (mg Pt/l)													
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,65	6,79		6,61	6,66	6,54		6,82	7,22	6,9			
Alkalinity (mekv/l)	0,097*	0,551		0,825				0,505*					
Calcium (mg Ca/l)	2,79	12,8							15,9				
Conductivity (µS/cm)	29,7	72,6											
Temperature (°C)	8												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)					0,8	0,8				0,8			
Head loss (m)					0,18	0,26	0,15						
Plate counts (per ml)	220				180	160	>=450		8				
Coliforms (per 100 ml)	9				5	4	3		0				
Fecal coliforms (per 100 ml)	5				1	1	0		0				
Chlorine residual (mg Cl2/l)									0,09				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,4	0,41		0,65	0,44	0,41	0,41		0,265	0,299			
Color (mg Pt/l)	11,7			11,7	10,7	10,3	7,8		8,9				
COD-Mn (mg O/l)	3,18								2,51				
TOC (mg O/l)	3								3,1				
31-Oct-94													
1-Nov-94													

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
	pH	6,65	6,67	6,61	6,69	6,62	6,6	6,71	7,76	7,45			
	Alkalinity (mekv/l)		0,539										
	Calcium (mg Ca/l)	2,92	12,5						19,3				
	Conductivity (µS/cm)	29,5	73,8										
	Temperature (°C)	7,9											
1-Nov-94	Aluminium (mg Al/l)	0,049		0,298	0,225	0,217	0,203	0,022*	0,219				
	Iron (mg Fe/l)								0,187				
	Free CO2 (mmol/l)	0,265	0,324										
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4			0,8				0,8				
	Head loss (m)				0,2	0,33	0,19						
	Plate counts (per ml)	>620			9	22	>960		3				
	Coliforms (per 100 ml)	22			0	0	0		0				
	Fecal coliforms (per 100 ml)	2			0	0	0		0				
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,475	0,52	0,56	0,35	0,37	0,35		0,275	0,314			
	Color (mg Pt/l)	12,1		3,9	3,9	3,9	2,8		3,9				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
2-Nov-94	pH	6,62	6,69	6,59	6,61	6,61	6,66	6,67	8,27	7,37			
	Alkalinity (mekv/l)	0,123	0,508						0,83				
	Calcium (mg Ca/l)	3	11						17,3				
	Conductivity (µS/cm)	29,8	70,6										
	Temperature (°C)	7,8											
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4			0,795	0,789	0,23		0,787				
	Head loss (m)				0,23	0,35	0,23						
4-Nov-94	Plate counts (per ml)	>510			19	51	2410		9				
	Coliforms (per 100 ml)	15			0	0	0		0				
	Fecal coliforms (per 100 ml)	1			0	0	0		0				
	Chlorine residual (mg Cl2/l)									0			

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,44	0,5		0,56	0,32	0,295	0,31	0,28	0,25	0,278			
Color (mg Pt/l)	12,1			5,3	3,9	3,9	3,2		5				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,7	6,71		6,54	6,6	6,59	6,59	6,71	8,06	7,7			
Alkalinity (mekv/l)	0,1	0,483							0,829				
Calcium (mg Ca/l)	2,77	10,5											
Conductivity (µS/cm)	29,8	68,7											
Temperature (°C)	7,5												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4				0,795	0,805				0,805			
Head loss (m)					0,3	0,49	0,32						
Plate counts (per ml)	>=310				92	110	>580		2				
Coliforms (per 100 ml)	10				0	0	0		0				
Fecal coliforms (per 100 ml)	5				0	0	0		0				
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,41	0,47		0,6	0,3	0,275	0,28		0,27	0,29			
Color (mg Pt/l)	12,4			3,2	3,2	3,6	2,5		2,5				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,67	6,65		6,5	6,56	6,58	6,59	6,82	7,6	7,57			
Alkalinity (mekv/l)	0,097	0,507							0,77				
Calcium (mg Ca/l)	2,71	10,9							17				
Conductivity (µS/cm)	29,6	69,4								107			
Temperature (°C)	7,3												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4				0,79	0,795				0,798			

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3	
7-Nov-94	Head loss (m)				0,3	0,51	0,32							
	Plate counts (per ml)	265			50	42	>520		1					
	Coliforms (per 100 ml)	20			0	0	0		0					
	Fecal coliforms (per 100 ml)	10			0	0	0		0					
	Chlorine residual (mg Cl2/l)													
	Ozone residual (mg O3/l)													
	Turbidity (NTU)	0,425	0,45		0,55	0,3	0,31	0,31	0,25	0,268				
	Color (mg Pt/l)	11,7			3,2	3,6	3,6	2,5	2,8					
	COD-Mn (mg O/l)													
	TOC (mg O/l)													
	pH	6,59	6,6		6,41	6,49	6,52	6,51	6,77	7,66	7,54			
	Alkalinity (mekv/l)	0,099	0,495		0,462					0,811				
	8-Nov-94	Calcium (mg Ca/l)	10,8							18,1	107,9			
Conductivity (µS/cm)		29,4	68,8											
Temperature (°C)		7,2												
Aluminium (mg Al/l)		0,06			0,301	0,186	0,177	0,147						
Iron (mg Fe/l)		0,0191												
Free CO2 (mmol/l)		0,033	0,21						0,029					
Suspended solids (mg SS/l)					0,9									
Copper in standing water (mg Cu/l)														
Waterflow (m3/h)		4				0,78	0,79				0,79			
Head loss (m)						0,35	0,6	0,38						
9-Nov-94		>=360				280	240	190		4				
		Plate counts (per ml)	23			0	0	0		0				
		Coliforms (per 100 ml)	5			0	0	0		0				
	Fecal coliforms (per 100 ml)													
	Chlorine residual (mg Cl2/l)								0,14					
	Ozone residual (mg O3/l)								3,2					
	Turbidity (NTU)	0,41	0,5		0,51	0,28	0,26	0,27	0,225	0,248				
	Color (mg Pt/l)	12,4			3,2	3,2	3,6	2,8						
	COD-Mn (mg O/l)													
	TOC (mg O/l)													
	pH	6,62	6,64		6,52	6,67	6,57	6,56	6,72	7,98	8,18			
	Alkalinity (mekv/l)	0,099	0,502							0,828				
	Calcium (mg Ca/l)	2,82	11,2											
Conductivity (µS/cm)	29,5	69,9								109,4				
Temperature (°C)	7,2													
Aluminium (mg Al/l)														



Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
9-Nov-94	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m <sup>3</sup> /h)	4			0,77	0,797							
	Head loss (m)				0,4	0,71	0,32						
	Plate counts (per ml)	430			*	>540	260		5				
	Coliforms (per 100 ml)	13			0	0	0		0				
	Fecal coliforms (per 100 ml)	11			0	0	0		0				
	Chlorine residual (mg Cl <sub>2</sub> /l)												
	Ozone residual (mg O <sub>3</sub> /l)												
	Turbidity (NTU)	0,41	0,45		0,5	0,285	0,26	0,27	6,78	0,22	0,24		
	10-Nov-94	Color (mg Pt/l)	12,8		3,2	3,2	3,6	2,8		3,2			
COD-Mn (mg O/l)		2,9							1,48				
TOC (mg O/l)		3,2							3				
pH		6,66	6,65		6,52	6,6	6,59	6,59	8,27	8,56			
Alkalinity (mekv/l)		0,094	0,481						0,81				
Calcium (mg Ca/l)		2,84	11						18,1				
Conductivity (µS/cm)		29,9	68,7										
Temperature (°C)		7,1											
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
11-Nov-94	Waterflow (m <sup>3</sup> /h)				0,775	0,785				0,785			
	Head loss (m)				0,42	0,86	0,45						
	Plate counts (per ml)	310			>=490	>=430	>=400		24				
	Coliforms (per 100 ml)	9			0	0	0		0				
	Fecal coliforms (per 100 ml)	3			0	0	0		0				
	Chlorine residual (mg Cl <sub>2</sub> /l)								0,05				
	Ozone residual (mg O <sub>3</sub> /l)												
	Turbidity (NTU)		0,53		0,67	0,28	0,25	0,27		0,25	0,242		
	Color (mg Pt/l)				2,5	3,2	3,2	2,5		2,5			
	COD-Mn (mg O/l)												
	TOC (mg O/l)		6,58		6,34	6,41	6,41	6,4	6,3	7,56	7,5		
	pH												

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3	
11-Nov-94	Alkalinity (mekv/l)	0,097							0,703					
	Calcium (mg Ca/l)		9,63											
	Conductivity (µS/cm)		63,9											
	Temperature (°C)	7												
	Aluminium (mg Al/l)													
	Iron (mg Fe/l)													
	Free CO2 (mmol/l)													
	Suspended solids (mg SS/l)													
	Copper in standing water (mg Cu/l)													
	Waterflow (m3/h)					0,755	0,795							
	Head loss (m)					0,5	0,97	0,58						
	14-Nov-94	Plate counts (per ml)	880			900	670	520		25				
		Coliforms (per 100 ml)	10			0	0	0		0				
Fecal coliforms (per 100 ml)		8			0	0	0		0					
Chlorine residual (mg Cl2/l)														
Ozone residual (mg O3/l)														
Turbidity (NTU)		0,41	0,425		0,416	0,255	0,25	0,24		0,27	0,282			
Color (mg Pt/l)		12,1			3,2	3,2	2,8	2,1		2,5				
COD-Mn (mg O/l)														
TOC (mg O/l)														
pH		6,46	6,27		6,09	6,19	6,19	6,26		7,14	7,28			
Alkalinity (mekv/l)		0,099	0,293							0,576				
Calcium (mg Ca/l)		2,69	6,83							12,8				
Conductivity (µS/cm)		29,8	49,8								79,8			
Temperature (°C)	6,5													
Aluminium (mg Al/l)														
Iron (mg Fe/l)														
Free CO2 (mmol/l)														
Suspended solids (mg SS/l)														
Copper in standing water (mg Cu/l)														
Waterflow (m3/h)														
Head loss (m)														
15-Nov-94	Plate counts (per ml)	170			310	290	130		0					
	Coliforms (per 100 ml)	9			0	0	0		0					
	Fecal coliforms (per 100 ml)	5			0	0	0		0					
	Chlorine residual (mg Cl2/l)													
	Ozone residual (mg O3/l)									0,05				

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
	0,4	0,42		1,7	0,36	0,28	0,32		0,24	0,242			
Turbidity (NTU)	11,7			1,8	2,1	2,1	2,5		2,5				
Color (mg Pt/l)	3,078								2,324				
COD-Mn (mg O/l)	3								3				
TOC (mg O/l)	6,85	6,25		6,04	6,1	6,07	6,15	6,39	7,19	7,11			
pH	0,1	0,309		0,236					0,634				
Alkalinity (mekv/l)	2,74	7,01							14				
Calcium (mg Ca/l)	29,7												
Conductivity (µS/cm)	6,3												
Temperature (°C)													
Aluminium (mg Al/l)	0,0233			0,654	0,289	0,252	0,21		0,191				
Iron (mg Fe/l)	0,04	0,273							0,05				
Free CO2 (mmol/l)				3,6									
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)					1,15	0,8							
Head loss (m)					0,47	1,08	0,6						
	170				650	65			2				
Plate counts (per ml)	10				0	0			0				
Coliforms (per 100 ml)	2				0	0			0				
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)	0,37	0,42		3,7	0,75	0,08			0,14	0,077	59	51	
Turbidity (NTU)	12,1			1,8	1,8	1,8			1,4				
Color (mg Pt/l)													
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,43	6,38		6,14	6,13	6,1		6,43	7,27	7,2	7	71,2	6,58
Alkalinity (mekv/l)	0,095	0,351							0,612				
Calcium (mg Ca/l)	2,95	8,27							15,7				
Conductivity (µS/cm)	29,54	55											
Temperature (°C)	6,2												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)					0,74	0,84			2,45				
Head loss (m)					1,35	1,4							

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Plate counts (per ml)	220				160	100			0				
Coliforms (per 100 ml)	7				0	0			0				
Fecal coliforms (per 100 ml)	4				0	0			0				
Chlorine residual (mg Cl2/l)									0,16				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,37	0,39		4,2					0,09	0,059			
Color (mg Pt/l)	11,7			1,8	1,8	1,8			1,4				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,43	6,37		6,22	6,21	6,2		6,36	7,56	7,44			
Alkalinity (mekv/l)	0,101	0,376							0,712				
Calcium (mg Ca/l)	2,8	8,9							16,8				
Conductivity (µS/cm)	30,1	59,55								95,6			
Temperature (°C)	6,1									7,3			
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	2				0,78	0,775			2,29				
Head loss (m)					0,72	1,18							
Plate counts (per ml)	190				60	24							
Coliforms (per 100 ml)	18				0	0							
Fecal coliforms (per 100 ml)	1				0	0							
Chlorine residual (mg Cl2/l)									0,16				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,41	0,6		4,6	1,5	0,18			0,24	0,06			
Color (mg Pt/l)	12,1			1,4	1,4	1,8			1,4				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,81	6,46		6,21	6,23	6,21		6,32	7,48	7,48			
Alkalinity (mekv/l)	0,098	0,408							0,698				
Calcium (mg Ca/l)	2,85	9,29							16,8				
Conductivity (µS/cm)	30,97	61,4							104,6	95,6			
Temperature (°C)	6									7,3			
Aluminium (mg Al/l)													
Iron (mg Fe/l)													

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
18-Nov-94	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m <sup>3</sup> /h)	2			0,765	0,8				0,8			
	Head loss (m)				1,54	1,22							
	Plate counts (per ml)	190				52			2				
	Coliforms (per 100 ml)	9				0			0				
	Fecal coliforms (per 100 ml)	4				0			0				
	Chlorine residual (mg Cl2/l)								0,13				
	Ozone residual (mg O3/l)												
23-Nov-94	Turbidity (NTU)	0,41	0,44		4,8	0,08			0,1	0,064		44	
	Color (mg Pt/l)	12,1			2,5	2,8			2,5				
	COD-Mn (mg O/l)								1,572				
	TOC (mg O/l)								2,2				
	pH	6,53	6,42		6,27	6,29		6,32	7,46	7,44		6,79	
	Alkalinity (mekv/l)	0,101	0,491		0,396				0,808				
	Calcium (mg Ca/l)	2,85	10,7						19				
	Conductivity (µS/cm)	30	69,9							102,7			
	Temperature (°C)	5,4											
	Aluminium (mg Al/l)				1,218	0,087				0,092		31,6	
24-Nov-94	Iron (mg Fe/l)												
	Free CO2 (mmol/l)	0,036	0,108		7				0,057			209	
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m <sup>3</sup> /h)	2				0,8					0,8		
	Head loss (m)					1,18							
	Plate counts (per ml)	160					23		1				
	Coliforms (per 100 ml)	7					0		0				
	Fecal coliforms (per 100 ml)	2					0		0				
	Chlorine residual (mg Cl2/l)								0,07				
24-Nov-94	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,36	0,42		4,5	0,12			0,24	0,184			
	Color (mg Pt/l)	11,7			2,8	3,2			2,8				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,51	6,45		6,21	6,22		6,47	7,3	7,62			
Alkalinity (mekv/l)	0,101												

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3	
24-Nov-94	Calcium (mg Ca/l)	2,97	10,5						19,1	100,6				
	Conductivity (µS/cm)	30,6	65,4							6				
	Temperature (°C)	5,4												
	Aluminium (mg Al/l)													
	Iron (mg Fe/l)													
	Free CO2 (mmol/l)													
	Suspended solids (mg SS/l)													
	Copper in standing water (mg Cu/l)								3		0,795			
	Waterflow (m3/h)	2					0,795				0,795			
	Head loss (m)						1,1							
	Plate counts (per ml)	150				17				0				
	Coliforms (per 100 ml)	10				0				0				
	Fecal coliforms (per 100 ml)	5				0				0				
Chlorine residual (mg Cl2/l)									0,13					
Ozone residual (mg O3/l)														
Turbidity (NTU)	0,39	0,44		4,3		0,1			0,09	0,074				
Color (mg Pt/l)	11,7			2,5		2,8			2,5					
COD-Mn (mg O/l)														
TOC (mg O/l)														
pH	6,55	6,35		6,21		6,24		6,3	7,85	7,93				
Alkalinity (mekv/l)	0,102	0,423							0,84					
Calcium (mg Ca/l)	3,01	9,91							20,6					
Conductivity (µS/cm)	30,3	63,4								105,4				
Temperature (°C)	5,3									6,9				
Aluminium (mg Al/l)														
Iron (mg Fe/l)														
Free CO2 (mmol/l)														
Suspended solids (mg SS/l)														
Copper in standing water (mg Cu/l)														
Waterflow (m3/h)	0,2					0,77				0,77				
Head loss (m)						0,85								
Plate counts (per ml)	160				17				2					
Coliforms (per 100 ml)	16				0				0					
Fecal coliforms (per 100 ml)	7				0				0					
Chlorine residual (mg Cl2/l)									0,07					
Ozone residual (mg O3/l)														
Turbidity (NTU)	0,44	0,45		5,4		0,1			0,16	0,1				

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Color (mg Pt/l)	12,1			2,8		2,8			2,5				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,54	6,39		6,2		6,21		6,47	7,31	7,29			
Alkalinity (mekv/l)	0,094	0,451							0,763				
Calcium (mg Ca/l)	2,93	10,5							18,7				
Conductivity (µS/cm)	28,5	62,8								100			
Temperature (°C)	5									6,5			
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)						0,924			0,924				
Head loss (m)						1,43							
Plate counts (per ml)	200							0					
Coliforms (per 100 ml)	19							0					
Fecal coliforms (per 100 ml)	17							0					
Chlorine residual (mg Cl2/l)									0,1				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,4	0,35		2,2					0,17	0,106		62	
Color (mg Pt/l)	12,1			3,2		3,2			2,5				
COD-Mn (mg O/l)	3,32								1,5				
TOC (mg O/l)	2,9								2,2				
pH	6,61	6,51		6,3		6,27		6,41	7,48	7,37		6,94	
Alkalinity (mekv/l)	0,1	0,438							0,826				
Calcium (mg Ca/l)	2,98	10,2							20,6				
Conductivity (µS/cm)		57,9						27,7					
Temperature (°C)	4,9												
Aluminium (mg Al/l)	0,057					0,091			0,113			24,9	
Iron (mg Fe/l)	0,026												
Free CO2 (mmol/l)	0,034	0,075		8					0,049				189
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)									1,91				
Waterflow (m3/h)	2					1,17				0,8			
Head loss (m)						0,8							
Plate counts (per ml)	180					37			2				

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
30-Nov-94	Coliforms (per 100 ml)	14				0			0				
	Fecal coliforms (per 100 ml)	16				0			0				
	Chlorine residual (mg Cl2/l)								0,04				
	Ozone residual (mg O3/l)									0,069			
	Turbidity (NTU)	0,39	0,42		4,8		0,12		0,075				
	Color (mg Pt/l)	12,1			2,8		3,2		2,5				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,47	5,84		6,11		6,24		7,84	8,04			
	Alkalinity (mekv/l)	0,1	0,176						0,885				
	Calcium (mg Ca/l)	2,97	4,63						21,7				
	Conductivity (µS/cm)	28,3	35,8							109,6			
	Temperature (°C)	4,6								6,3			
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	2									0,805			
Head loss (m)									0,805				
1-Dec-94	Plate counts (per ml)	170				18			0				
	Coliforms (per 100 ml)	13				0			0				
	Fecal coliforms (per 100 ml)	7				0			0				
	Chlorine residual (mg Cl2/l)								0,06				
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	9,38	0,4		4,4		0,12		0,075	0,066			
	Color (mg Pt/l)	11,4			3,2		3,2		2,8				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,41	6,53		6,41		6,48		6,35	8,2	8,45		
	Alkalinity (mekv/l)	0,098	0,525						0,922				
Calcium (mg Ca/l)	3,05	12,1						22,1					
Conductivity (µS/cm)	27,5	67,6							112,2				
Temperature (°C)	4,7								6,2				
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													



Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
1-Dec-94	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	2				0,8				0,8			
	Head loss (m)					0,87							
	Plate counts (per ml)	160				17			2				
	Coliforms (per 100 ml)	13				0			0				
	Fecal coliforms (per 100 ml)	8				0			0				
	Chlorine residual (mg Cl2/l)								0,07				
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,41	0,44		4,5	0,13		0,073	0,08	0,073			
2-Dec-94	Color (mg Pt/l)	11,7		2,8	3,2				3,2				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,68	6,55		6,25	6,22		6,26	8,48				
	Alkalinity (mekv/l)	0,1	0,513						0,914				
	Calcium (mg Ca/l)	2,96	11,7						22,2				
	Conductivity (µS/cm)	27,5	64,5							110,2			
	Temperature (°C)	4,7											
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
5-Dec-94	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	2				0,775			0,68				
	Head loss (m)					0,9				0,775			
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
Turbidity (NTU)	0,38	0,44		2,5	0,64	0,37	0,6		0,19	0,258			
Color (mg Pt/l)	12,1			2,8	3,2	3,9	2,5		5				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,4	6,35		6,14	6,22	6,18	6,24	6,36	9,74				
Alkalinity (mekv/l)	0,097	0,303							1,06				
Calcium (mg Ca/l)	3,04	7,39							24,9				

Berdal Strømme/Degrément

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
5-Dec-94	Conductivity (µS/cm)	28	53										
	Temperature (°C)	4,4											
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4				0,2	0,741	0,22		0,741			
	Head loss (m)												
	Plate counts (per ml)	180								4			
Coliforms (per 100 ml)	10								0				
Fecal coliforms (per 100 ml)	6								0				
Chlorine residual (mg Cl2/l)									0,04				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,42	0,39		2,8	0,37	0,265	0,31	0,24	0,163			46	
Color (mg Pt/l)	12,1			3,2	2,8	3,2	2,5	2,5					
COD-Mn (mg O/l)	3,11								1,77				
TOC (mg O/l)	2,9								2			29,9	
pH	6,45	6,31		6,11	6,13	6,14	6,1	6,23	7,65			6,9	
Alkalinity (mekv/l)	0,096	0,305		0,249					0,672				
Calcium (mg Ca/l)	2,9	7,32		7,43					16,4				
Conductivity (µS/cm)	29,5	52,6								90,2			
Temperature (°C)	4,3									5,8			
Aluminium (mg Al/l)	0,044			0,725	0,189	0,174	0,161		0,182			17,7	
Iron (mg Fe/l)	0,025								0,035				
Free CO2 (mmol/l)	0,025	0,165		4								134	
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4				0,772	0,795				0,795			
Head loss (m)					0,63	1,05	0,7						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)									0,06				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,4	0,39		4	0,18	0,12	0,125		0,22	0,155			
Color (mg Pt/l)	11,7			2,5	2,5	2,1	1,4		2,5				

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
8-Dec-94	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,45	6,28		6,07	6,06	6,06	7	7,62	8,55			
	Alkalinity (mekv/l)	0,096	0,312						0,653				
	Calcium (mg Ca/l)	2,9	7,57						16,4				
	Conductivity (µS/cm)	30,1	52,2							90,7			
	Temperature (°C)	4,1								5,9			
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4				0,85	1,05	0,68		0,84	0,745		
Head loss (m)						0,745							
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,36	0,48		4,15	0,16	0,1	0,12		0,2	0,134			
Color (mg Pt/l)	11,4			2,5	2,5	2,5	1,8		2,1				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,46	6,3		6,01	6,09	6,09	6,1	6,21	7,51	9,04			
Alkalinity (mekv/l)	0,094	0,299											
Calcium (mg Ca/l)	2,97	7,45							15,7				
Conductivity (µS/cm)	29,9	51,2								87,6			
Temperature (°C)	4									5,8			
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)					0,803	0,783				0,783			
Head loss (m)					0,66	1,13	0,63						
Plate counts (per ml)													
Coliforms (per 100 ml)													

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Fecal coliforms (per 100 ml)									0,07				
Chlorine residual (mg Cl2/l)									0				
Ozone residual (mg O3/l)									0,21	0,137			
Turbidity (NTU)	0,41	0,47		3,7	0,175	0,17	0,12		2,1				
Color (mg Pt/l)	11,4			2,1	2,5	2,5	1,4						
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,42	6,38		6,17	6,21	6,21	6,14	6,45	7,55	8,73			
Alkalinity (mekv/l)	0,106	0,371							0,679				
Calcium (mg Ca/l)	2,96	8,74							17,1				
Conductivity (µS/cm)	30,06	55,1								93,4			
Temperature (°C)	4												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4000				0,805	0,785							
Head loss (m)					0,7	0,28	0,75						
Plate counts (per ml)	300								2				
Coliforms (per 100 ml)	9								0				
Fecal coliforms (per 100 ml)	7								0				
Chlorine residual (mg Cl2/l)									0,07				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,385	0,41		3,7	0,85	0,125	0,115		0,575	0,519	110	45	57
Color (mg Pt/l)	11,7			2,5	2,8	2,9	2,1		2,5				
COD-Mn (mg O/l)	3,36								1,7				
TOC (mg O/l)	3,1								1,9		64		39,8
pH	6,4	6,35						6,64	7,35	6,78	6,61	6,67	6,69
Alkalinity (mekv/l)	0,101	0,358							0,586				
Calcium (mg Ca/l)	3,01	8,78							15,4				
Conductivity (µS/cm)	30,78	57,55								82,1			
Temperature (°C)													
Aluminium (mg Al/l)	0,057			1,06	0,257	0,117	0,117		0,397		44,3	21	24,4
Iron (mg Fe/l)	0,02												
Free CO2 (mmol/l)	0,022	0,268							0,062				
Suspended solids (mg SS/l)				6,1							248	176	153

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
13-Dec-94	Copper in standing water (mg Cu/l)								0,87	0,804			
	Waterflow (m3/h)	4			0,789	0,804				0,804			
	Head loss (m)				1,58	1,32	1,6						
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,41	0,46	4,4	0,19	0,14	0,16	0,102	0,15	0,102			
	Color (mg Pt/l)	11,7		2,5	2,8	3,2	2,8		2,8				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,41	6,32	6,14	6,19	6,15	6,17	6,35	7,56	7,23			
14-Dec-94	Alkalinity (mekv/l)	0,1	0,351						0,706				
	Calcium (mg Ca/l)	2,94	8,15						17,3				
	Conductivity (µS/cm)	30,28	56,2							93,7			
	Temperature (°C)	3,9								5,5			
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)				0,797	0,792				0,792			
	Head loss (m)				0,87	1,32	0,9						
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,44	0,47	5,1	0,14	0,08	0,1		0,065	0,049			
	Color (mg Pt/l)	11,7		2,5	2,5	1,8	1,4		3,2				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,55	6,65	6,3	6,38	6,42	6,36	6,68	9,26	9,33			
	Alkalinity (mekv/l)	0,097	0,375						0,697				
	Calcium (mg Ca/l)	2,89	8,88						17,6				
	Conductivity (µS/cm)	30	57,6										

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
	3,9												
15-Dec-94													
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4				0,795	0,795							
Head loss (m)					0,75	1,15	0,63						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,44	0,5		4,25	1,15	0,11	0,375		0,09	0,077			
Color (mg Pt/l)	11,7			2,5	2,8	2,8	2,5		2,8				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,51	6,43		6,19	6,25	6,24	6,23	6,46	7,98	8			
Alkalinity (mekv/l)	0,097	0,364							0,58				
Calcium (mg Ca/l)	2,99	8,97							15				
Conductivity (µS/cm)	30,5	56,5											
Temperature (°C)	3,8												
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)									0,11				
Waterflow (m3/h)	4				0,752	0,796							
Head loss (m)					1,54	1	1,62						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)									0,05				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,45	0,49		4	0,3	0,175	0,2		0,15	0,112			
Color (mg Pt/l)	11,7			3,2	2,8	2,8	2,1		3,2				
COD-Mn (mg O/l)													

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
TOC (mg O/l)	6,78	6,54		6,31	6,35	6,32	6,27	6,49	7,81	9,1			
pH	0,1	0,367							0,67				
Alkalinity (mekv/l)	3	8,96							17,3				
Calcium (mg Ca/l)	30,6	57											
Conductivity (µS/cm)													
Temperature (°C)													
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)					0,29	0,42	0,28						
Waterflow (m <sup>3</sup> /h)										0,77			
Head loss (m)													
Plate counts (per ml)	290								9				
Coliforms (per 100 ml)	22								0				
Fecal coliforms (per 100 ml)	7								0				
Chlorine residual (mg Cl2/l)									0,05				
Ozone residual (mg O3/l)													
Turbidity (NTU)		0,5		4,5	0,18	0,11	0,14		0,14	0,07		63	
Color (mg Pt/l)				2,8	2,5	2,8	2,5		2,8				
COD-Mn (mg O/l)													
TOC (mg O/l)	6,47	6,56		6,24	6,22	6,22	6,22	6,46	7,61			56,9	
pH	0,1	0,378							0,69			6,77	
Alkalinity (mekv/l)	3,07	8,7							18,3				
Calcium (mg Ca/l)	26,9	49,6											
Conductivity (µS/cm)	3,9									82			
Temperature (°C)										5,6			
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)					0,85	1,28	0,85					223	
Waterflow (m <sup>3</sup> /h)	4				0,815	0,794			0,32	0,794			
Head loss (m)													
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,52	0,57		4,4	1,3	0,125	0,51		0,1	0,075	61		56
Color (mg Pt/l)	12,4			2,8	2,5	2,5	2,1		2,5				
COD-Mn (mg O/l)	3,36								1,7				
TOC (mg O/l)	3,2								2,4		70,1		60,6
pH	6,44	6,51		6,19	6,21	6,22	6,2	6,32	7,78	8,47	6,71		6,59
Alkalinity (mekv/l)	0,101	0,378						0,734					
Calcium (mg Ca/l)	2,92	9,68						19,9					
Conductivity (µS/cm)	29,33	62,3								85,7			
Temperature (°C)	3,9									5,4			
Aluminium (mg Al/l)	0,108												
Iron (mg Fe/l)	0,029	0,264									44	30,8	38,5
Free CO2 (mmol/l)	0,021			6,8					0,014				
Suspended solids (mg SS/l)											279		242
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)										0,78			
Head loss (m)													
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)									0,04				
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,44	0,45		4,7	0,2	0,14	0,15		0,11	0,086			
Color (mg Pt/l)	12,1			2,8	2,8	3,2	2,5		2,8				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,46	6,42			6,21	6,21	6,21	6,61	7,73	8,52			
Alkalinity (mekv/l)	0,102	0,387							0,78				
Calcium (mg Ca/l)	3	8,69							21,4				
Conductivity (µS/cm)	29,5	58,1								85,5			
Temperature (°C)	3,8									5,6			
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)									0,4				



Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
22-Dec-94	Waterflow (m3/h)				0,8	0,8	0,82			0,8			
	Head loss (m)				0,8	1,02							
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)								0,04				
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,46	0,43	4,5	1,2	0,14	0,625		0,1	0,081			
	Color (mg Pt/l)	12,1		2,5	3,2	3,2	2,5		3,6				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,41	6,31	6,15	6,19	6,24	6,2	6,8	8,01	8,95			
23-Dec-94	Alkalinity (mekv/l)	0,1	0,391						0,763				
	Calcium (mg Ca/l)	2,87	9,64						21,2				
	Conductivity (µS/cm)	29,1	57,3							86			
	Temperature (°C)	3,9								5,2			
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)				0,793	0,8				0,8			
	Head loss (m)				1,45	0,98	1,67						
	Plate counts (per ml)	280							5				
	Coliforms (per 100 ml)	7							0				
	Fecal coliforms (per 100 ml)	0							0				
	Chlorine residual (mg Cl2/l)								0,02				
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,41	1,5	4,7	0,71	0,525	0,58		0,55	0,552			
	Color (mg Pt/l)	12,1		5	6	5	4,3		4,6				
	COD-Mn (mg O/l)	2,96							1,78				
	TOC (mg O/l)	3,2							2,5				
	pH	6,73	7,42	7,02	7,01	7,02	7	6,79	7,22	7,29			
4-Jan-95	Alkalinity (mekv/l)	0,099	0,915	0,847					0,827				
	Calcium (mg Ca/l)	2,8	18,9	18,6					19,8				
	Conductivity (µS/cm)	29,6	105							92,7			
	Temperature (°C)	3,8								5			

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
4-Jan-95	Aluminium (mg Al/l)	0,06		1,06	0,228	0,177	0,196		0,186				
	Iron (mg Fe/l)	0,02							0,096				
	Free CO2 (mmol/l)	0,036	0,055	5,5									
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)									0,805			
	Waterflow (m <sup>3</sup> /h)	4			0,782	0,805							
	Head loss (m)				2,1	0,92	0,73						
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
Chlorine residual (mg Cl <sub>2</sub> /l)													
Ozone residual (mg O <sub>3</sub> /l)									0,04	0,073	120	90	124
Turbidity (NTU)	0,41	1,5		2	0,56	0,48	0,73		0,14				
Color (mg Pt/l)	12,1			17,8	5,7	6	5		3,6				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,66	7,31		7,3	7,17	7,15	7,09		8,05	9,11	50,2	47,6	58,3
Alkalinity (mekv/l)	0,098	0,885							0,971		7,58	7,28	7,33
Calcium (mg Ca/l)	2,82	18,8							18,4				
Conductivity (µS/cm)	29,7	99,9								106			
Temperature (°C)	3,8									5			
Aluminium (mg Al/l)											49,8	47,1	57,8
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)	4				0,807	0,814			1,5	0,814			
Head loss (m)					1,93	0,91	1,5						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl <sub>2</sub> /l)									0,04				
Ozone residual (mg O <sub>3</sub> /l)													
Turbidity (NTU)	0,385	1,5		4,7	0,64	0,2	0,25		0,125	0,1			
Color (mg Pt/l)	12,1			4,3	3,9	3,9	3,7		3,9				
COD-Mn (mg O/l)													
TOC (mg O/l)													

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
6-Jan-95	pH	6,74	7,46					6,89	7,86	8,33			
	Alkalinity (mekv/l)	0,099	0,944						0,951				
	Calcium (mg Ca/l)	2,88	20,2						19,7				
	Conductivity (µS/cm)	29,3	105,2							103,9			
	Temperature (°C)	3,8								4,9			
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m <sup>3</sup> /h)	4				0,784	0,811			1,92			
	Head loss (m)					2,15	0,93						
	9-Jan-95	Plate counts (per ml)											
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)										0,03			
Chlorine residual (mg Cl <sub>2</sub> /l)													
Ozone residual (mg O <sub>3</sub> /l)													
Turbidity (NTU)		0,4	1,7		4,3	0,38	0,39			0,23	0,273		
Color (mg Pt/l)		11,4			4,3	4,3	4,6			5			
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH		6,65	7,53		7,14	7,13	7,15			8,17	9,14		
Alkalinity (mekv/l)		0,101	0,92							0,954			
Calcium (mg Ca/l)		3,05	20,7							19,8			
Conductivity (µS/cm)		29,9	104,9							102,2	101,7		
Temperature (°C)	3,9									5,6			
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)	4				0,78	0,785							
Head loss (m)					0,67	0,43							
10-Jan-95	Plate counts (per ml)	230											
	Coliforms (per 100 ml)	5								2			
	Fecal coliforms (per 100 ml)	1								0			
	Chlorine residual (mg Cl <sub>2</sub> /l)									0,03			

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,4	1,75		4,4	0,42	0,26	0,26		0,21	0,15	90	120	
Color (mg Pt/l)	11			4,3	4,3	4,3	3,2		4,3				
COD-Mn (mg O/l)	3,18												
TOC (mg O/l)	3								2,3				
pH	6,56	7,65		7,09	7,08	7,08	7,08	6,84	8,03	8,82	7,4	7,4	
Alkalinity (mekv/l)	0,1	0,905		0,825					0,978				
Calcium (mg Ca/l)	3,04	20,1							20,6				
Conductivity (µS/cm)	30	102,2								5,2			
Temperature (°C)	3,9									103,3			
Aluminium (mg Al/l)	0,046			1,232	0,136	0,094	0,096		0,095		39,6	55,7	
Iron (mg Fe/l)													
Free CO2 (mmol/l)	0,04	0,051			7				0,013			282	
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)					0,792	0,8							
Head loss (m)					1,55	1,2	0,96						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl2/l)													
Ozone residual (mg O3/l)													
Turbidity (NTU)	0,36	1,2		4,7	0,56	0,1	1,65		0,08	0,07			
Color (mg Pt/l)	11,7			3,9	5,3	3,6	2,8		3,6				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,54	7,27		6,8	6,83	6,81	6,85	6,78	7,61	7,64			
Alkalinity (mekv/l)	0,1	0,847							0,902				
Calcium (mg Ca/l)	2,88	18,9							18,1				
Conductivity (µS/cm)	29,9	97,1								111,2			
Temperature (°C)	3,9									5,5			
Aluminium (mg Al/l)													48,5
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m3/h)	4				0,715	0,76							

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
11-Jan-95	Head loss (m)				1,6	0,86	1,74						
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)								0,04				
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)									0,93			
	Turbidity (NTU)	0,35	1,2	5,1	0,77	1,5	0,15		1,1				
	Color (mg Pt/l)	11,7		3,6	3,2	3,2	2,5		3,6				
	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,79	7,24	6,81	6,74	6,78	6,8	6,65	7,59	7,49			
12-Jan-95	Alkalinity (mekv/l)	0,101	0,847						0,946				
	Calcium (mg Ca/l)	2,26	22,5						22,1				
	Conductivity (µS/cm)	29,7	96,3							113,2			
	Temperature (°C)	3,9								5,2			
	Aluminium (mg Al/l)												
	Iron (mg Fe/l)												
	Free CO2 (mmol/l)												
	Suspended solids (mg SS/l)												
	Copper in standing water (mg Cu/l)												
	Waterflow (m3/h)	4			0,798	0,804	0,765			0,8			
	Head loss (m)				1,61	1,89	0,75						
	Plate counts (per ml)												
	Coliforms (per 100 ml)												
	Fecal coliforms (per 100 ml)												
	Chlorine residual (mg Cl2/l)												
	Ozone residual (mg O3/l)												
	Turbidity (NTU)	0,34	1,2	5,9	0,9	0,21	2		0,175	0,126			
	Color (mg Pt/l)	11,7		3,2	3,2	3,2	2,8		2,5				
13-Jan-95	COD-Mn (mg O/l)												
	TOC (mg O/l)												
	pH	6,59	6,74	6,49	6,5	6,55	6,53	6,41	7,15	7,08			
	Alkalinity (mekv/l)	0,102	0,81						0,918				
	Calcium (mg Ca/l)	2,24	22,6						21,7				
	Conductivity (µS/cm)	29,9	96,3							112,1			
	Temperature (°C)	3,9								5			
	Aluminium (mg Al/l)												

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)	4				0,8	0,804				0,804			
Head loss (m)					1,74	1,14	1,63						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl <sub>2</sub> /l)													
Ozone residual (mg O <sub>3</sub> /l)													
Turbidity (NTU)	0,36	1,4		5,2		0,08	0,1		0,13	0,078			
Color (mg Pt/l)	11,7			3,2		3,2	2,5		2,8				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,73	7,34		6,83		6,8	6,78	6,8	7,65	7,64			
Alkalinity (mekv/l)	0,101	0,823							0,853				
Calcium (mg Ca/l)	2,94	18,6							18,2				
Conductivity (µS/cm)	30,1	94								113,1			
Temperature (°C)	3,9									6,5			
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)	4					0,823				0,823			
Head loss (m)						0,47	0,29						
Plate counts (per ml)													
Coliforms (per 100 ml)													
Fecal coliforms (per 100 ml)													
Chlorine residual (mg Cl <sub>2</sub> /l)									0,05				
Ozone residual (mg O <sub>3</sub> /l)													
Turbidity (NTU)	0,36	1		5		1,5	1,45		0,7	0,626		110	49
Color (mg Pt/l)	12,1			3,9		3,9	2,5		2,5				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,78	7,21		6,69		6,65	6,69	6,74	7,51	7,37		6,91	6,79

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3	
17-Jan-95	Alkalinity (mekv/l)	0,098	0,78						0,841					
	Calcium (mg Ca/l)	2,96	17,5						17,2					
	Conductivity (µS/cm)	30,1	94,1						111,4					
	Temperature (°C)	3,9							5,3					
	Aluminium (mg Al/l)													
	Iron (mg Fe/l)													
	Free CO2 (mmol/l)	0,039	0,842						0,468					
	Suspended solids (mg SS/l)													
	Copper in standing water (mg Cu/l)													
	Waterflow (m <sup>3</sup> /h)	4				0,805					0,805			
Head loss (m)					1,56					1,15				
18-Jan-95	Plate counts (per ml)													
	Coliforms (per 100 ml)													
	Fecal coliforms (per 100 ml)									0,04				
	Chlorine residual (mg Cl2/l)													
	Ozone residual (mg O3/l)													
	Turbidity (NTU)	0,34	1		5,55				0,32	0,215				
	Color (mg Pt/l)	12,1			2,8				2,8					
	COD-Mn (mg O/l)													
	TOC (mg O/l)													
	pH	6,63	7,04		6,7					7,65	7,58			
	Alkalinity (mekv/l)	0,1	0,768							0,924				
	Calcium (mg Ca/l)	2,96	17,8							17,9				
	Conductivity (µS/cm)	30,2	93,2								114,2			
	Temperature (°C)										5,2			
	Aluminium (mg Al/l)													
	Iron (mg Fe/l)													
	Free CO2 (mmol/l)													
Suspended solids (mg SS/l)														
Copper in standing water (mg Cu/l)														
Waterflow (m <sup>3</sup> /h)	4									0,815				
Head loss (m)										1,37				
Plate counts (per ml)														
Coliforms (per 100 ml)														
Fecal coliforms (per 100 ml)														
Chlorine residual (mg Cl2/l)										0,05				
Ozone residual (mg O3/l)														

Berdal Strømme/Degrémont

	Raw water	Outlet lime+CO2 addition	Outlet preozonation	Outlet chem. addition	Outlet filter no 1	Outlet filter no 2	Outlet filter no 3	Continuous outlet remin.	Outlet pilot plant	Continuous outlet pilot plant	Backwash water filter no 1	Backwash water filter no 2	Backwash water filter no 3
Turbidity (NTU)	0,3	0,79		5,2		0,075	1,9		0,07	0,043			
Color (mg Pt/l)	10,7			2,8		2,8	2,5		2,8				
COD-Mn (mg O/l)													
TOC (mg O/l)													
pH	6,64	6,98		6,65		6,65	6,63	6,66	8,45	8,91			
Alkalinity (mekv/l)	0,097	0,733							0,952				
Calcium (mg Ca/l)	3,03	16,3							16,6				
Conductivity (µS/cm)	28,6	91,3								116,5			
Temperature (°C)										5,1			
Aluminium (mg Al/l)													
Iron (mg Fe/l)													
Free CO2 (mmol/l)													
Suspended solids (mg SS/l)													
Copper in standing water (mg Cu/l)													
Waterflow (m <sup>3</sup> /h)	3,9					0,818							
Head loss (m)						1,21	1,85			0,818			



DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
20-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,36	0,5	0,48	0,42			
	Color (mg Pt/l)	12,1	1,42	1,8		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,67	6,52	6,63	7,3			
	Alkalinity (mekv/l)	0,093			1,597	1,599		
	Calcium (mg Ca/l)	2,75			33,6	33,8		
	Conductivity (µS/cm)	29			203			
	Temperature							
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
21-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,375	1,25	1,4	0,65			
	Color (mg Pt/l)	12,8	2,1	2,5		3,2		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,67	6,36	6,4	7,08			
	Alkalinity (mekv/l)	0,097			1,69	1,7		
	Calcium (mg Ca/l)	2,75			36	36		
	Conductivity (µS/cm)	27,7			208,8			
	Temperature							
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
22-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,375	0,87	1,49	0,31			
	Color (mg Pt/l)	12,1	1,4	0,7		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,51	5,88	5,84	6,96			
	Alkalinity (mekv/l)	0,099			1,8	1,8		
	Calcium (mg Ca/l)	2,81			38,9	39,2		
	Conductivity (µS/cm)	29,5			223,5			
	Temperature							
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			1,7				
23-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,39	0,83	1,75	0,4			
	Color (mg Pt/l)	12,1	1,4	1,8		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,56	5,31	5,28	7,14			
	Alkalinity (mekv/l)	0,097			1,69	1,7		
	Calcium (mg Ca/l)	2,72			37,4	38,1		
Conductivity (µS/cm)	29,1			212				
Temperature								
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								

DHV

		Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
23-Sep-94	Copper in standing water (mg Cu/l)								
	Waterflow (m3/h)								
27-Sep-94	Plate counts (per ml)	183				17			
	Coliforms (per 100 ml)	21				0			
	Fecal coliforms (per 100 ml)	5				0			
	UV-absorbans								
	Turbidity (NTU)	0,4	0,15	0,35	0,625				
	Color (mg Pt/l)	12,4	2,1	2,1		7,8			
	COD-Mn (mg O/l)	2,65				2,65			
	TOC (mg C/l)	2,8				2,9			
	pH	6,55	7,28	7,22	8,57				
	Alkalinity (mekv/l)				0,692	0,673			
	Calcium (mg Ca/l)	2,94			10,5	10,3			
	Conductivity (µS/cm)	28,5			102	90,3			
	Temperature								
	Aluminium (mg Al/l)	0,064		1,39		4,3			
	Iron (mg Fe/l)								
Free CO2 (mmol/l)	0,046								
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10				2,4				
28-Sep-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,4	0,57	0,46	0,34				
	Color (mg Pt/l)	12,4	1,4	1,4		6,7			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,62	6,55	6,79	8,41				
	Alkalinity (mekv/l)	0,093			0,568	0,571			
	Calcium (mg Ca/l)	2,91			9,91	10,3			
	Conductivity (µS/cm)	28,69			98,9				
	Temperature								
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)									
29-Sep-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,375	0,27	0,425	0,51				
	Color (mg Pt/l)	12,1	2,1	1,8		7,1			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,59	7,16	6,88	8,52				
	Alkalinity (mekv/l)	0,096			0,674	0,667			
	Calcium (mg Ca/l)	2,78			10,2	10,2			
	Conductivity (µS/cm)	27,7			98				
	Temperature								
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10				2,5				
30-Sep-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,39	0,82	1,1					
	Color (mg Pt/l)	12,4	1,8	1,4					
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,6	6,47	6,58					
	Alkalinity (mekv/l)	0,092							
Calcium (mg Ca/l)	2,84								
Conductivity (µS/cm)	28,2								
Temperature									
Aluminium (mg Al/l)									

DHV

		Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
30-Sep-94	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								
	Copper in standing water (mg Cu/l)								
	Waterflow (m3/h)	10							
3-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,37	0,75	0,7					
	Color (mg Pt/l)	11,7	4,6	4,6					
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,4	4,8	4,84					
	Alkalinity (mekv/l)	0,094							
	Calcium (mg Ca/l)	2,68							
	Conductivity (µS/cm)	27,5							
	Temperature								
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	12					0,5			
4-Oct-94	Plate counts (per ml)	82				13			
	Coliforms (per 100 ml)	33				0			
	Fecal coliforms (per 100 ml)	19				0			
	UV-absorbans								
	Turbidity (NTU)	0,42	0,525	0,4	0,51				
	Color (mg Pt/l)	11,7	1,8	1,8	2,5				
	COD-Mn (mg O/l)	3,59				2,23			
	TOC (mg C/l)	2,9				2,1			
	pH	6,6	7,09	6,98	7,63				
	Alkalinity (mekv/l)	0,099			1,41	1,42			
	Calcium (mg Ca/l)	2,33			24,6	24,5			
	Conductivity (µS/cm)	28,5			180,5				
	Temperature								
	Aluminium (mg Al/l)	0,057		1,55		1,87			
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)	0,019			0,088	0,08			
	Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10			2,3	2,5				
6-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,39	0,2	0,39	0,45				
	Color (mg Pt/l)	11,4	1,8	1,8		2,5			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,56	7,1	7,21	7,36				
	Alkalinity (mekv/l)								
	Calcium (mg Ca/l)								
	Conductivity (µS/cm)								
	Temperature								
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10			2,4					
21-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,36	1,2	1,3					
	Color (mg Pt/l)	11	1,1	1,4					
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,79	6,54	6,39					
	Alkalinity (mekv/l)	0,096							
Calcium (mg Ca/l)	2,87								

DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
21-Oct-94	Conductivity (µS/cm)	28,67						
	Temperature							
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
Waterflow (m3/h)								
24-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,34	1	1,1	0,55	0,375		
	Color (mg Pt/l)	11,7	1,1	1,1		5,7		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,65	6,03	5,95	8,33	8,32		
	Alkalinity (mekv/l)	0,097			0,499	0,485		
	Calcium (mg Ca/l)	2,77			11,1	11,2		
	Conductivity (µS/cm)	28,3			94,4			
	Temperature							
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
25-Oct-94	Plate counts (per ml)	86				10		
	Coliforms (per 100 ml)	13				0		
	Fecal coliforms (per 100 ml)	4				0		
	UV-absorbans							
	Turbidity (NTU)	0,34	1,84	0,525	0,38	0,41		16
	Color (mg Pt/l)	11,7	2,1	2,1		6		
	COD-Mn (mg O/l)	2,64				1,54		26,9
	TOC (mg C/l)	2,8				2,3		*
	pH	6,66	6,94	6,91	8,43	8,34		7,04
	Alkalinity (mekv/l)	0,093			0,458	0,459		
	Calcium (mg Ca/l)	2,89			8,85	8,95		
	Conductivity (µS/cm)	27,75			92,2			
	Temperature							
	Aluminium (mg Al/l)	0,087	3,298	2,61		2,35		52,5
Iron (mg Fe/l)	0,021							
Free CO2 (mmol/l)	0,308	18,1		*	*			
Suspended solids (mg SS/l)							204	
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10				2,45			
26-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,36	0,7	0,41	0,27	0,13		
	Color (mg Pt/l)	11,7	1,8	3,2		6,4		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH		7,18	6,9	8,59	8,82		
	Alkalinity (mekv/l)	0,131			0,475	0,475		
	Calcium (mg Ca/l)				7,62	8,03		
	Conductivity (µS/cm)	40,2			89,8			
	Temperature							
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10				2,45			
27-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,37	1,5	1,7				
	Color (mg Pt/l)	11,4	1,4	1,8				
COD-Mn (mg O/l)								
TOC (mg C/l)								

DHV

		Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
27-Oct-94	pH	6,74	6,37	6,24					
	Alkalinity (mekv/l)	0,098							
	Calcium (mg Ca/l)	2,49							
	Conductivity (µS/cm)	29,5							
	Temperature								
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								
	Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10								
28-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,4	0,81	0,72	0,32	0,31			
	Color (mg Pt/l)	12,4	1,8	1,8		2,8			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,44	6,49	6,5	7,43	7,34			
	Alkalinity (mekv/l)	0,097			1,38	1,38			
	Calcium (mg Ca/l)	3,01			28,2	28,8			
	Conductivity (µS/cm)	29,5			185,2				
	Temperature								
	Aluminium (mg Al/l)								
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10			2,3					
31-Oct-94	Plate counts (per ml)	>=330		>=410					
	Coliforms (per 100 ml)	12		1					
	Fecal coliforms (per 100 ml)	3		0					
	UV-absorbans								
	Turbidity (NTU)	0,6	1	1,1					
	Color (mg Pt/l)	13,5	1,8	1,8					
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,65	5,74	5,67					
	Alkalinity (mekv/l)	0,097							
	Calcium (mg Ca/l)	2,79							
	Conductivity (µS/cm)	29,7							
	Temperature								
	Aluminium (mg Al/l)								
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)									
1-Nov-94	Plate counts (per ml)	220		220		1			
	Coliforms (per 100 ml)	9		1		0			
	Fecal coliforms (per 100 ml)	5		0		0			
	UV-absorbans								
	Turbidity (NTU)	0,4	0,8	1	1,4	0,85			3,1
	Color (mg Pt/l)	11,7	2,1	2,5		3,6			
	COD-Mn (mg O/l)	3,18				2,56			
	TOC (mg C/l)	3				2,8			4,7
	pH	6,65	7,02	7,12	7,54	7,57			7,12
	Alkalinity (mekv/l)	0,099	0,254		1,392	1,3			
	Calcium (mg Ca/l)	2,92			27	27,5			
	Conductivity (µS/cm)	29,5			174,3				
	Temperature								
	Aluminium (mg Al/l)	0,049	2,25	4,05		2,92			9,28
Iron (mg Fe/l)	0,022								
Free CO2 (mmol/l)	0,265			0,287	0,233				
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10			2,4					
2-Nov-94	Plate counts (per ml)	>620		>=350		3			
	Coliforms (per 100 ml)	22		2		0			
	Fecal coliforms (per 100 ml)	2		0		0			
	UV-absorbans								
	Turbidity (NTU)	0,475	0,75	0,75	0,55	0,32			

DHV

		Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
2-Nov-94	Color (mg Pt/l)	12,1	1,8	2,1		2,8			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,62	6,87	6,92	7,5	7,51			
	Alkalinity (mekv/l)	0,123			1,26	1,25			
	Calcium (mg Ca/l)	3							
	Conductivity (µS/cm)	29,8				25			
	Temperature								
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								
	Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,4					
3-Nov-94	Plate counts (per ml)	>=500		>530		3			
	Coliforms (per 100 ml)	12		3		0			
	Fecal coliforms (per 100 ml)	6		0		0			
	UV-absorbans								
	Turbidity (NTU)	0,45	1,3	0,7	1	0,925			
	Color (mg Pt/l)	11,7	2,5	2,5		2,8			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,78	7,27	7,27	7,48	7,46			
	Alkalinity (mekv/l)	0,102			1,259	1,272			
	Calcium (mg Ca/l)	2,81			24,2	24,2			
	Conductivity (µS/cm)	29,2			172,1				
	Temperature								
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10				2,4				
4-Nov-94	Plate counts (per ml)	>510		>570		48			
	Coliforms (per 100 ml)	15		4		0			
	Fecal coliforms (per 100 ml)	1		0		0			
	UV-absorbans								
	Turbidity (NTU)	0,44	0,67	0,64	0,95	0,95			
	Color (mg Pt/l)	12,1	2,1	2,5		2,8			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,7	7,27	7,4	7,56	7,56			
	Alkalinity (mekv/l)	0,1			1,186	1,2			
	Calcium (mg Ca/l)	2,77			22	22,5			
	Conductivity (µS/cm)	29,8			163,9				
	Temperature								
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)									
7-Nov-94	Plate counts (per ml)	>=316		>=320		6			
	Coliforms (per 100 ml)	10		0		0			
	Fecal coliforms (per 100 ml)	5		0		0			
	UV-absorbans								
	Turbidity (NTU)	0,41	0,42	0,84	0,75	0,745			
	Color (mg Pt/l)	12,4	2,1	1,8		2,8			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,67	6,94	6,71	7,43	7,36			
	Alkalinity (mekv/l)	0,097			1,09	1,1			
	Calcium (mg Ca/l)	2,71			21,1	20,8			
	Conductivity (µS/cm)	29,6			155,4				
	Temperature								
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10			2,4					
8-Nov-94	Plate counts (per ml)	265		280		5			
	Coliforms (per 100 ml)	20		7		0			

DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
8-Nov-94	Fecal coliforms (per 100 ml)	10	1		0			
	UV-absorbans							
	Turbidity (NTU)	0,425	0,61	0,825	2,1	1,1		2
	Color (mg Pt/l)	11,7	2,8	2,8		2,8		
	COD-Mn (mg O/l)	2,9				2,41		
	TOC (mg C/l)	3,2				2,9		3,4
	pH	6,59	7,36	7,45	7,36	7,39		7,5
	Alkalinity (mekv/l)	0,099	0,305		1,21	1,05		
	Calcium (mg Ca/l)	2,97			20,3	20,5		
	Conductivity (µS/cm)	29,4			154,6			
	Temperature							
	Aluminium (mg Al/l)	0,06	2,73	4,39				3,7
	Iron (mg Fe/l)	0,0191						
	Free CO2 (mmol/l)	0,033			0,087	0,072		
	Suspended solids (mg SS/l)		16					18
	Copper in standing water (mg Cu/l)							
Waterflow (m3/h)	10			2,45				
9-Nov-94	Plate counts (per ml)	>=360	>=340			2		
	Coliforms (per 100 ml)	23		2		0		
	Fecal coliforms (per 100 ml)	5		0		0		
	UV-absorbans							
	Turbidity (NTU)	0,41	0,77	0,75	1,1	1,6		
	Color (mg Pt/l)	12,4	2,5	1,8		2,8		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,62	7,08	7,05	7,35	7,34		
	Alkalinity (mekv/l)	0,099			1,01	1,06		
	Calcium (mg Ca/l)	2,82			19,8	18		
	Conductivity (µS/cm)	29,5			149,5			
	Temperature	7,2						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,42				
10-Nov-94	Plate counts (per ml)	430	74			3		
	Coliforms (per 100 ml)	13		7		0		
	Fecal coliforms (per 100 ml)	11		1		0		
	UV-absorbans							
	Turbidity (NTU)	0,41	0,81	0,78	0,775	0,85		
	Color (mg Pt/l)	12,8	2,5	2,5		2,8		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,66	7,17	7,21	7,22	7,28		
	Alkalinity (mekv/l)	0,094			0,949	0,94		
	Calcium (mg Ca/l)	2,84			18,7	18,8		
	Conductivity (µS/cm)	29,9			142,4			
	Temperature	7,1						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,4				
11-Nov-94	Plate counts (per ml)	310	430			6		
	Coliforms (per 100 ml)	9		2		0		
	Fecal coliforms (per 100 ml)	3		1		0		
	UV-absorbans							
	Turbidity (NTU)	0,41	0,66	0,8	1,75	0,99		140
	Color (mg Pt/l)	11,7	2,5	2,5		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							150
	pH	6,5	7,39	7,22	7,08	7,1		7,94
	Alkalinity (mekv/l)	0,097			0,705	1		6,25
	Calcium (mg Ca/l)	2,8			19,8	19,7		58
	Conductivity (µS/cm)	30,4			145,8			
	Temperature	7						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								

DHV

		Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
11-Nov-94	Waterflow (m3/h)	10			2,18				
14-Nov-94	Plate counts (per ml)	880		250					
	Coliforms (per 100 ml)	10		1					
	Fecal coliforms (per 100 ml)	8		0					
	UV-absorbans								
	Turbidity (NTU)	0,41	0,78	0,74					
	Color (mg Pt/l)	12,1	1,4	1,8					
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,46	6,62	6,57					
	Alkalinity (mekv/l)	0,099							
	Calcium (mg Ca/l)	2,67							
	Conductivity (µS/cm)	29,8							
	Temperature								
	Aluminium (mg Al/l)								
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10								
16-Nov-94	Plate counts (per ml)	170		150					
	Coliforms (per 100 ml)	10		0					
	Fecal coliforms (per 100 ml)	2		0					
	UV-absorbans								
	Turbidity (NTU)	0,37	0,59	0,59					20
	Color (mg Pt/l)	12,1	1,8	2,1					
	COD-Mn (mg O/l)								
	TOC (mg C/l)								18,8
	pH	6,43	6,51	6,58					
	Alkalinity (mekv/l)	0,095							
	Calcium (mg Ca/l)	2,95							2,9
	Conductivity (µS/cm)	29,54							
	Temperature	6,2							
	Aluminium (mg Al/l)								38,6
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)								169	
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)									
17-Nov-94	Plate counts (per ml)	220		280					
	Coliforms (per 100 ml)	7		0					
	Fecal coliforms (per 100 ml)	4		0					
	UV-absorbans								
	Turbidity (NTU)	0,37	1,5	1,5					59
	Color (mg Pt/l)	11,7	1,4	1,4					
	COD-Mn (mg O/l)								
	TOC (mg C/l)								126
	pH	6,43	6,27	6,2					8,03
	Alkalinity (mekv/l)	0,101							7,11
	Calcium (mg Ca/l)	2,8							22,3
	Conductivity (µS/cm)	30,1							
	Temperature	6,1							
	Aluminium (mg Al/l)								
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)								1550	
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10								
18-Nov-94	Plate counts (per ml)	190		190					
	Coliforms (per 100 ml)	18		0					
	Fecal coliforms (per 100 ml)	1		0					
	UV-absorbans								
	Turbidity (NTU)	0,41	1,3	2,1					
	Color (mg Pt/l)	12,1	1,8	1,8					
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,81	6,67	6,58					
	Alkalinity (mekv/l)	0,098							
	Calcium (mg Ca/l)	2,85							
	Conductivity (µS/cm)	30,97							
	Temperature	6							
	Aluminium (mg Al/l)								
Iron (mg Fe/l)									



DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
18-Nov-94	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	10						
22-Nov-94	Plate counts (per ml)	170		180				
	Coliforms (per 100 ml)	7		0				
	Fecal coliforms (per 100 ml)	2		0				
	UV-absorbans							
	Turbidity (NTU)	0,32	0,78	1,1				16
	Color (mg Pt/l)	11,4	1,4	1,4				
	COD-Mn (mg O/l)	2,911						
	TOC (mg C/l)	3,2						
	pH	6,64	6,46	6,44				6,63
	Alkalinity (mekv/l)	0,142						
	Calcium (mg Ca/l)	2,78	2,79					
	Conductivity (µS/cm)	30,7						
	Temperature							
	Aluminium (mg Al/l)	0,059	3,94		1,2			8,19
	Iron (mg Fe/l)			0,026				
	Free CO2 (mmol/l)	0,036						
Suspended solids (mg SS/l)		19,2					26,3	
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10							
23-Nov-94	Plate counts (per ml)	190		220		4		
	Coliforms (per 100 ml)	9		0		0		
	Fecal coliforms (per 100 ml)	4		0		0		
	UV-absorbans							
	Turbidity (NTU)	0,41	0,93	1,1	0,75	0,6	0,617	
	Color (mg Pt/l)	12,1	1,4	2,1		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,53	6,47	6,43	7,25	7,24	7,11	
	Alkalinity (mekv/l)	0,101			1,21	1,2		
	Calcium (mg Ca/l)	2,85			24,8	24,9		
	Conductivity (µS/cm)	30			172,1		161	
	Temperature	5,4					7	
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10				2,1			
24-Nov-94	Plate counts (per ml)	160		180		1		
	Coliforms (per 100 ml)	7		0		0		
	Fecal coliforms (per 100 ml)	2		0		0		
	UV-absorbans							
	Turbidity (NTU)	0,36	0,8	0,62	0,59	0,52		
	Color (mg Pt/l)	11,7	1,8	1,8		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,51	6,64	6,66	7,4	7,42		
	Alkalinity (mekv/l)	0,101			1,19	1,19		
	Calcium (mg Ca/l)	2,94			24,9	25,1		
	Conductivity (µS/cm)	30,6			172,8			
	Temperature							
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,15				
25-Nov-94	Plate counts (per ml)	150		130		1		
	Coliforms (per 100 ml)	10		2		0		
	Fecal coliforms (per 100 ml)	5		0		0		
	UV-absorbans							
	Turbidity (NTU)	0,39	0,87	0,79	0,69	0,6		
	Color (mg Pt/l)	11,7	1,8	1,8		2,8		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,55	6,93	6,83	7,59	7,6		
	Alkalinity (mekv/l)	0,102			1,064	1,074		
Calcium (mg Ca/l)	3,01			22,3	22,6			
Conductivity (µS/cm)	30,3			158,6				

DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
25-Nov-94	Temperature	5,3						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	10				2,2		
28-Nov-94	Plate counts (per ml)	160		120		2		
	Coliforms (per 100 ml)	16		2		0		
	Fecal coliforms (per 100 ml)	7		0		0		
	UV-absorbans							
	Turbidity (NTU)	0,44	0,73	0,67	0,58	0,48	0,523	
	Color (mg Pt/l)	12,1	1,8	1,8		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,54	6,74	6,73	7,51	7,51	7,51	
	Alkalinity (mekv/l)	0,094			1,13	1,13		
	Calcium (mg Ca/l)	2,93			23,9	24,1		
	Conductivity (µS/cm)	28,5			154,1		156	
	Temperature	5					6,5	
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10							
29-Nov-94	Plate counts (per ml)	200		200		1		
	Coliforms (per 100 ml)	19		0		0		
	Fecal coliforms (per 100 ml)	17		0		0		
	UV-absorbans							
	Turbidity (NTU)	0,4	0,72	0,22	0,16	0,15	0,142	42
	Color (mg Pt/l)	12,1	1,4	1,4		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)	2,9				1,8		105,2
	pH	6,61	6,86	6,82	7,68	7,7	7,7	7,02
	Alkalinity (mekv/l)	0,1	0,316		1,01	1		
	Calcium (mg Ca/l)	2,98	2,96		21,7	21,9		
	Conductivity (µS/cm)	27,7			141,6			
	Temperature	4,9					6,4	
	Aluminium (mg Al/l)	0,057	4,55	0,65		0,43		250
	Iron (mg Fe/l)	0,026						
Free CO2 (mmol/l)	0,034			0,03	0,034			
Suspended solids (mg SS/l)		20						
Copper in standing water (mg Cu/l)					0,95			
Waterflow (m3/h)	10				2,25			
30-Nov-94	Plate counts (per ml)	180		34		8		
	Coliforms (per 100 ml)	14		0		0		
	Fecal coliforms (per 100 ml)	16		0		0		
	UV-absorbans							
	Turbidity (NTU)	0,39	0,95	0,15	0,05	0,06	0,015	
	Color (mg Pt/l)	12,1	1,8	2,5		3,2		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,47	6,69	6,78			8,15	
	Alkalinity (mekv/l)	0,1			0,858	0,871		
	Calcium (mg Ca/l)	2,97			18,9	19		
	Conductivity (µS/cm)	28,3			132		132	
	Temperature	4,6					6,3	
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10				2,45			
1-Dec-94	Plate counts (per ml)	170		43	57	3		
	Coliforms (per 100 ml)	13		0	0	0		
	Fecal coliforms (per 100 ml)	7		1	0	0		
	UV-absorbans							
	Turbidity (NTU)	0,38	0,7	0,23	0,15	0,12	0,081	
	Color (mg Pt/l)	11,4	1,4	1,4		3,2		
	COD-Mn (mg O/l)							
TOC (mg C/l)								
pH	6,41	6,71	6,61	7,81	7,79	7,91		

DHV

		Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
1-Dec-94	Alkalinity (mekv/l)	0,098			0,899	0,907			
	Calcium (mg Ca/l)	3,05				19,8			
	Conductivity (µS/cm)	27,5			131		136		
	Temperature	4,7					6,3		
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								
	Copper in standing water (mg Cu/l)					0,31			
	Waterflow (m3/h)	10			2,2				
2-Dec-94	Plate counts (per ml)	160		8	75	6			
	Coliforms (per 100 ml)	13		0	0	0			
	Fecal coliforms (per 100 ml)	8		0	0	0			
	UV-absorbans								
	Turbidity (NTU)	0,41	1,1	0,24	0,08	0,07	0,13		
	Color (mg Pt/l)	11,7	1,4	1,8		2,5			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,68	6,96	6,86	7,96	7,83	8,22		
	Alkalinity (mekv/l)								
	Calcium (mg Ca/l)	2,96			20	20,1			
	Conductivity (µS/cm)	27,5			133		137		
	Temperature	4,7					6		
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)									
5-Dec-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,38	1,25	0,42	0,075	0,06	0,013		
	Color (mg Pt/l)	12,1	1,4	2,1		3,2			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,4	6,24	6,51	7,92	7,89	8,28		
	Alkalinity (mekv/l)	0,097			0,838	0,833			
	Calcium (mg Ca/l)	3,04			18,6				
	Conductivity (µS/cm)	28			137,4		132		
	Temperature	4,4					5,8		
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	10			2,5					
6-Dec-94	Plate counts (per ml)	180			>540	12			
	Coliforms (per 100 ml)	10			0	0			
	Fecal coliforms (per 100 ml)	6			0	0			
	UV-absorbans								
	Turbidity (NTU)	0,42	0,62	0,42	0,36	0,34	0,204	120	
	Color (mg Pt/l)	12,1	2,8	3,2		3,9			
	COD-Mn (mg O/l)	3,11				1,96			
	TOC (mg C/l)	2,9				2,2		78,5	26,4
	pH	6,45	7,36	7,38	7,87	7,86	8,16	8,07	
	Alkalinity (mekv/l)	0,096	0,392		0,9	0,914			
	Calcium (mg Ca/l)	2,9	2,93		18,9	19		52,3	
	Conductivity (µS/cm)	29,5			138		140		
	Temperature	4,3							
	Aluminium (mg Al/l)	0,044	4,01	1,57		0,945			89,8
	Iron (mg Fe/l)	0,025							
Free CO2 (mmol/l)	0,025			0,022	0,022				
Suspended solids (mg SS/l)		15					977	364	
Copper in standing water (mg Cu/l)					0,4				
Waterflow (m3/h)	10			2,1					
7-Dec-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,38	0,9	0,36	0,07	0,063	0,034		
Color (mg Pt/l)	12,1	3,2	3,2		3,9				

DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
7-Dec-94	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,42	7,18	7,18	8,17	8,2	8,86	
	Alkalinity (mekv/l)	0,096			0,716	0,722		5,207
	Calcium (mg Ca/l)	2,99			15,1	15,3		
	Conductivity (µS/cm)	29,1			127,9		121	
	Temperature	4					5,6	
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)		10			2,5		
8-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,4	1,1	0,36	0,14	0,15	0,111	
	Color (mg Pt/l)	11,7	2,5	3,2		3,9		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,45	7,09	7,23	8,17	8,31	8,92	
	Alkalinity (mekv/l)	0,096			0,717	0,713		
	Calcium (mg Ca/l)	2,9			15,1	15,1		
	Conductivity (µS/cm)	30,1			122,4		121	
	Temperature	4,1					5,6	
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)					0,23			
Waterflow (m3/h)	10			2,5				
9-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,36	0,96	0,17	0,06	0,06	0,02	
	Color (mg Pt/l)	11,4	1,8	2,1		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,46	6,75	6,76	7,97	7,9	8,64	
	Alkalinity (mekv/l)	0,094			0,805	0,802		
	Calcium (mg Ca/l)	2,97			17,8	17,8		
	Conductivity (µS/cm)	29,9			131,9			
	Temperature	4					5,5	
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
12-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,41	0,94	0,16	0,15	0,055	0,019	
	Color (mg Pt/l)	11,4	2,1	2,1		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,42	6,98	7,01	7,87	7,9	8,64	
	Alkalinity (mekv/l)	0,106			0,819	0,832		
	Calcium (mg Ca/l)	2,96			17,9			
	Conductivity (µS/cm)	30,06			130,8			
	Temperature	4					5,4	
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,5				
13-Dec-94	Plate counts (per ml)	300			97	4		
	Coliforms (per 100 ml)	9			1	0		
	Fecal coliforms (per 100 ml)	7			0	0		

DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
13-Dec-94	UV-absorbans							
	Turbidity (NTU)	0,385	0,84	0,24	0,08	0,08	0,05	12
	Color (mg Pt/l)	11,7	2,5	2,1		2,8		
	COD-Mn (mg O/l)	3,36				1,94		
	TOC (mg C/l)	3,1				1,8		41
	pH	6,4	6,93	6,87	7,88	7,97	8,7	7,23
	Alkalinity (mekv/l)	0,101	0,349		0,733	0,749		
	Calcium (mg Ca/l)				16,1	16,2		
	Conductivity (µS/cm)				126,8			
	Temperature						5,4	
	Aluminium (mg Al/l)	0,057	2,99	0,66		0,416		101
	Iron (mg Fe/l)	0,02						
	Free CO2 (mmol/l)	0,062				0,013		
Suspended solids (mg SS/l)		18					349	
Copper in standing water (mg Cu/l)					0,3			
Waterflow (m3/h)	10			2,5				
14-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,41	0,81	0,2	0,96	0,14	0,058	
	Color (mg Pt/l)	11,7	1,8	2,1		2,8		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,41	6,79	6,77	7,9	7,94	8,6	
	Alkalinity (mekv/l)	0,1			0,834	0,759		
	Calcium (mg Ca/l)	2,94			16,6	16,4		
	Conductivity (µS/cm)	30,28			130,1			
	Temperature	3,9					5,4	
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,5				
15-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,44	0,875	0,25		0,115	0,068	
	Color (mg Pt/l)	11,7	1,4	2,5		2,8		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,55	6,78		7,99	8,14	8,58	
	Alkalinity (mekv/l)	0,097			0,834	0,773		
	Calcium (mg Ca/l)	2,89			16,6	16,4		
	Conductivity (µS/cm)	30			131,1			
	Temperature	3,9					5,3	
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,45				
16-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,44	1,1	0,3	0,16	0,18		
	Color (mg Pt/l)	11,7	2,1	2,5		2,8		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,51	6,89	6,95	7,86	8,11		
	Alkalinity (mekv/l)	0,097			0,771			
	Calcium (mg Ca/l)	2,99			16,7	17		
	Conductivity (µS/cm)	30,5			129,4			
	Temperature	3,8						
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)					0,63			
Waterflow (m3/h)								

DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
19-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,45	0,87	0,6	0,41	0,45	0,309	170
	Color (mg Pt/l)	11,7	2,5	2,5		3,2		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							121
	pH	6,78	7,14	7,11	7,98	7,97	8,44	8,2
	Alkalinity (mekv/l)	0,1			0,757	0,756		7,99
	Calcium (mg Ca/l)				16,3	16,1		83
	Conductivity (µS/cm)	30			128			
	Temperature	39					5,4	
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)							1600	
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,4				
20-Dec-94	Plate counts (per ml)	290				2		
	Coliforms (per 100 ml)	22				0		
	Fecal coliforms (per 100 ml)	7				0		
	UV-absorbans							
	Turbidity (NTU)	0,41	0,99	0,31	0,1	0,075	0,021	
	Color (mg Pt/l)	11	2,1	2,5		2,8		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,47	6,88	6,98	7,89	7,99	8,8	
	Alkalinity (mekv/l)	0,1			0,765	0,756		
	Calcium (mg Ca/l)	3,07			17,3	17,6		
	Conductivity (µS/cm)	26,9			113,5			
	Temperature	3,9					5,3	
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)					0,72			
Waterflow (m3/h)	10			2,5				
21-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,52	1,2	0,52	0,33	0,28	0,279	5,2
	Color (mg Pt/l)	12,4	2,5	2,5		3,9		
	COD-Mn (mg O/l)	3,36				1,43		
	TOC (mg C/l)	3,2				2,3		10,04
	pH	6,44	7,08	7,1	7,99	7,9	8,76	8,61
	Alkalinity (mekv/l)	0,101			0,79	0,78		
	Calcium (mg Ca/l)	2,92	3,11		17,7	17,2		
	Conductivity (µS/cm)	29,33			125,6			
	Temperature	3,9					5,3	
	Aluminium (mg Al/l)	0,108	3,95	2,6		1,12		
	Iron (mg Fe/l)	0,029						
Free CO2 (mmol/l)	0,021			0,012	0,012			
Suspended solids (mg SS/l)		16					81	
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,5				
22-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,44	1,5	0,37	0,19	0,16		
	Color (mg Pt/l)	12,1	2,1	2,1		3,2		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,46	6,88	6,88	7,95	8,01		
	Alkalinity (mekv/l)	0,102			0,78	0,78		
	Calcium (mg Ca/l)	3			19,4	19		
	Conductivity (µS/cm)	29,5				127		
	Temperature	3,8						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								

DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
22-Dec-94	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)				0,17			
	Waterflow (m3/h)	10			2,5			
23-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,46	0,42	0,36	0,15	0,15	0,094	
	Color (mg Pt/l)	12,1	2,1	2,5		3,2		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,41	6,84	6,84	8	8,03	8,71	
	Alkalinity (mekv/l)	0,1			0,776	0,782		
	Calcium (mg Ca/l)	2,87			17,7	18		
	Conductivity (µS/cm)	29,1			124			
	Temperature	3,9					5,3	
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,5				
3-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,375	1,1	0,22	0,07	0,085	0,013	11
	Color (mg Pt/l)	11,7	2,1	2,5		2,8		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							11,4
	pH		6,93	6,88	8,01	8,12	8,8	8,02
	Alkalinity (mekv/l)	0,102			0,774	0,775		1,86
	Calcium (mg Ca/l)	2,96			17,8	17,4		
	Conductivity (µS/cm)	29,13			125,5			
	Temperature	3,8					5,3	
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)							121	
Copper in standing water (mg Cu/l)					0,24			
Waterflow (m3/h)	10				2,5			
4-Jan-95	Plate counts (per ml)	280		44	11			
	Coliforms (per 100 ml)	7		0	0			
	Fecal coliforms (per 100 ml)	0		0	0			
	UV-absorbans							
	Turbidity (NTU)	0,41	1	0,225	0,075	0,055	0,013	10
	Color (mg Pt/l)	12,1	2,5	2,1		2,5		
	COD-Mn (mg O/l)	2,96				1,037		
	TOC (mg C/l)	3,2				1,5		17,7
	pH	6,73	6,78	6,77	7,93	8,02	8,76	6,93
	Alkalinity (mekv/l)	0,099	0,316		0,777	0,79		
	Calcium (mg Ca/l)	2,8	2,5		16,3	16,8		
	Conductivity (µS/cm)	29,6			127,1			
	Temperature	3,8					5,1	
	Aluminium (mg Al/l)	0,06	4,27	0,712		0,315		37,9
	Iron (mg Fe/l)	0,02						
	Free CO2 (mmol/l)	0,036				0,013		
Suspended solids (mg SS/l)		16,9					138	
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,5				
5-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,41	1,1	0,31	0,1	0,1	0,036	
	Color (mg Pt/l)	12,1	1,8	1,8		2,8		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,66	6,92	6,69	7,94	7,96	8,64	
	Alkalinity (mekv/l)	0,098			0,788	0,795		
	Calcium (mg Ca/l)	2,82			16,8	16,9		
Conductivity (µS/cm)	29,7			127				
Temperature	3,8					5,3		

DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
5-Jan-95	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)					0,23		
	Waterflow (m3/h)	10			2,45			
6-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,385	1,25	0,245	0,12	0,12	0,048	
	Color (mg Pt/l)	12,1	1,8	2,1		3,2		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,74	7,06	6,75	7,89	7,92	8,66	
	Alkalinity (mekv/l)	0,099			0,769	0,771		
	Calcium (mg Ca/l)	2,88			16,1	16,7		
	Conductivity (µS/cm)	29,3			122,8			
	Temperature	3,8					5,3	
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,5				
9-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,4	0,83	0,26		0,14	0,064	0,15
	Color (mg Pt/l)	11,4	1,8	1,8				2,5
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,65	6,79	6,82		7,93	8,58	7,98
	Alkalinity (mekv/l)	0,101			0,778	0,779		
	Calcium (mg Ca/l)	3,05				18,5		18,8
	Conductivity (µS/cm)	29,9			124,9			
	Temperature	3,9					5,3	
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,5				
10-Jan-95	Plate counts (per ml)	230			95	1		
	Coliforms (per 100 ml)	5			0	0		
	Fecal coliforms (per 100 ml)	1			0	0		
	UV-absorbans							
	Turbidity (NTU)	0,4	0,6	0,28	0,085	0,16	0,074	125
	Color (mg Pt/l)	11	2,1	1,8		2,5		
	COD-Mn (mg O/l)	3,18				1,29		
	TOC (mg C/l)	3				1,6		31
	pH	6,56	6,91	6,83	7,85	7,88	8,53	8,22
	Alkalinity (mekv/l)	0,1	0,304		0,751	0,764		6,565
	Calcium (mg Ca/l)	3,04			17,3	16,7		
	Conductivity (µS/cm)	30			124,2	124,2		
	Temperature	3,9					5,3	
	Aluminium (mg Al/l)	0,046	3,9	1,02		0,483		65,3
Iron (mg Fe/l)								
Free CO2 (mmol/l)	0,04			0,013	0,013			
Suspended solids (mg SS/l)		13,6					886	
Copper in standing water (mg Cu/l)							294	
Waterflow (m3/h)	10			2,5				
11-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,36	0,94	0,54	0,22	0,25	0,171	
	Color (mg Pt/l)	11,7	1,4	1,8		3,6		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,54	6,74	6,5	7,84	7,87	8,11	
Alkalinity (mekv/l)	0,1			0,813	0,813			



DHV

		Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
11-Jan-95	Calcium (mg Ca/l)	2,88			17,7	17,9			
	Conductivity (µS/cm)	29,9			131,2				
	Temperature	3,9					5,3		
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								
	Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,4					
12-Jan-95	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,35	0,77	0,28	0,2	0,165	0,092		
	Color (mg Pt/l)	11,7		1,8		2,5			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,79	7,52	7,59	7,8	7,87	8,13		
	Alkalinity (mekv/l)	0,101			0,752	0,756			
	Calcium (mg Ca/l)	2,26			20	20,2			
	Conductivity (µS/cm)	29,7			125				
	Temperature	3,9					5,3		
	Waterflow (m3/h)	10			2,5				
13-Jan-95	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,34	0,84	0,225	0,15	0,14	0,076		
	Color (mg Pt/l)	11,7	2,1	2,1		2,5			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,59	7,25	6,79	7,8	7,88	8,14		
	Alkalinity (mekv/l)	0,102			0,762	0,76			
	Calcium (mg Ca/l)	2,24			20,3	19,8			
	Conductivity (µS/cm)	29,9			126				
	Temperature	3,9					5,3		
	Waterflow (m3/h)	10			2,5				
16-Jan-95	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	UV-absorbans								
	Turbidity (NTU)	0,36	0,92	0,525	0,375	0,37	0,275		
	Color (mg Pt/l)	11,7	1,8	1,4		2,5			
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,73	7,09	6,67	7,75	7,76	7,72		
	Alkalinity (mekv/l)	0,101			0,902	0,905			
	Calcium (mg Ca/l)	2,94					5,3		
	Conductivity (µS/cm)	30,1			138				
	Temperature								
	Waterflow (m3/h)	10			2,5				
17-Jan-95	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Turbidity (NTU)	0,36	0,71	0,35	0,06	0,05	0,012		3,9
	Color (mg Pt/l)	12,1	2,1	2,1		3,2			
COD-Mn (mg O/l)									

DHV

	Raw water	Outlet flocculation	Outlet flotation	Outlet alkaline filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water alkaline filter	Sludge from flotation
17-Jan-95	TOC (mg C/l)							
	pH	6,78	6,86	6,75	8,04	8,1	8,49	6,8
	Alkalinity (mekv/l)	0,098	0,339		0,726	0,73		
	Calcium (mg Ca/l)	2,96	3,15		16,3	16,4		
	Conductivity (µS/cm)	30,1			125			
	Temperature						5,3	
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)	0,039			0,015	0,015		
	Suspended solids (mg SS/l)							
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,45				
18-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,34	1,15	0,26	0,1	0,07	0,033	
	Color (mg Pt/l)	12,1	1,8	1,8		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,63	6,7	6,84	7,91	8	8,36	
	Alkalinity (mekv/l)	0,1			0,766	0,766		
	Calcium (mg Ca/l)	2,96			16,7	16,8		
	Conductivity (µS/cm)	30,2			130,5			
	Temperature	3,9					5,4	
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,5				
19-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	UV-absorbans							
	Turbidity (NTU)	0,3	0,098	0,2	0,1	0,09	0,063	
	Color (mg Pt/l)	10,7	2,1	1,8		2,5		
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,64	6,92	6,84	8,02	8,01	8,25	
	Alkalinity (mekv/l)	0,097		0,773		0,778		
	Calcium (mg Ca/l)	3,03		16,4		17		
	Conductivity (µS/cm)	28		128,7				
	Temperature	3,9					5,2	
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	10			2,5				

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
20-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,36	0,925	1,2		0,07		
	Color (mg Pt/l)	12,1		5		5	4,3	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,67	7,71	7,44		7,45		
	Alkalinity (mekv/l)	0,093	0,65				0,642	
	Calcium (mg Ca/l)	2,75	16,5				16,6	
	Conductivity (µS/cm)	29	95,3					
	Temperature (°C)	11,6						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
21-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,375	1,225	1,2	2,55	0,07		0,056
	Color (mg Pt/l)	12,8		6,4		5,7	4,6	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,67	7,32	7,5	7,29	7,32		8,52
	Alkalinity (mekv/l)	0,097	0,646				0,647	
	Calcium (mg Ca/l)	2,75	16,7				16,4	
	Conductivity (µS/cm)	27,7	97,7					141
	Temperature (°C)	11,8						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
22-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,375	1,25	1,2	2	0,07		0,05
	Color (mg Pt/l)	12,1		4,6		4,3	3,2	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,51	7,57	7,5	7,23	7,33		8,48
	Alkalinity (mekv/l)	0,099	0,646				0,64	
	Calcium (mg Ca/l)	2,81	15,6				16,5	
	Conductivity (µS/cm)	29,5	95,1					148
	Temperature (°C)	11,8						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
23-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,39	1,2	1,25	2,66	0,07		0,05
	Color (mg Pt/l)	12,1		4,3		3,2	2,5	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,56	7,38	7,31	7,06	7,18		8,48
	Alkalinity (mekv/l)	0,097	0,601				0,638	
	Calcium (mg Ca/l)	2,72	15,6				15,9	
	Conductivity (µS/cm)	29,1	93,9					141
	Temperature (°C)	11,9						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
23-Sep-94	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	12				2		
26-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	1,25	1,25	2,58	0,07		0,056
	Color (mg Pt/l)	11,7		4,6		3,9	2,8	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,42	6,95	7,05	7,01	7,13		8,45
	Alkalinity (mekv/l)	0,096	0,567				0,576	
	Calcium (mg Ca/l)	2,88	15,4				15,5	
	Conductivity (µS/cm)	28,5	86,8					131
	Temperature (°C)	12						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
27-Sep-94	Plate counts (per ml)	183						0
	Coliforms (per 100 ml)	21						0
	Fecal coliforms (per 100 ml)	5						0
	Chlorine residual (mg Cl2/l)						0,11	
	Turbidity (NTU)	0,4	1,6	1,1	2,85	0,06		0,039
	Color (mg Pt/l)	12,4		3,2		3,6	2,5	
	COD-Mn (mg O/l)	2,65					<0,5	
	TOC (mg C/l)	2,8					1,7	
	pH	6,55	7,15	6,9	6,74	6,9		8,34
	Alkalinity (mekv/l)	0,098	0,534				0,537	
	Calcium (mg Ca/l)	2,94	15,4				15	
	Conductivity (µS/cm)	28,5						133
	Temperature (°C)	11,9						
	Aluminium (mg Al/l)	0,064				0,025	0,025	
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)	0,046	0,073				0,08	
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
28-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,4	1,5	1,35	3	0,06		0,038
	Color (mg Pt/l)	12,4		3,2		3,2	2,8	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,62	6,99	6,91	6,64	6,84		8,38
	Alkalinity (mekv/l)	0,093	0,507				0,521	
	Calcium (mg Ca/l)	2,91	14,7				14,9	
	Conductivity (µS/cm)	28,69	90,8					135
	Temperature (°C)	11,6						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
29-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							0,1
	Turbidity (NTU)	0,375	1,5	1,4	3,18	0,07		0,041
	Color (mg Pt/l)	12,1		3,6		3,9	2,8	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,59	7,39	7,07	6,97	7,09		8,55
	Alkalinity (mekv/l)	0,096	0,623				0,609	
	Calcium (mg Ca/l)	2,78	17,1				16,6	
	Conductivity (µS/cm)	27,7	98,8					146
	Temperature (°C)	11,5						
	Aluminium (mg Al/l)							

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	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
29-Sep-94	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	12					2	
30-Sep-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,39	1,5	1,5	3,08	0,06		0,042
	Color (mg Pt/l)	12,4		3,6		3,6	2,5	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,6	7,14	7,13	7,01	7,17		8,63
	Alkalinity (mekv/l)	0,092	0,583				0,599	
	Calcium (mg Ca/l)	2,84	16				16,1	
	Conductivity (µS/cm)	28,2	96,5					144
	Temperature (°C)							
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12						2	
3-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,37	1,45	1,25	2,64	0,055		0,096
	Color (mg Pt/l)	11,7		3,6		2,8	2,5	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,4	7,08	7	6,87	7,01		6,56
	Alkalinity (mekv/l)	0,094	0,566				0,583	
	Calcium (mg Ca/l)	2,68	16,1				16,1	
	Conductivity (µS/cm)	27,5	93,9					142
	Temperature (°C)	10,9						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12						2	
4-Oct-94	Plate counts (per ml)	82						1
	Coliforms (per 100 ml)	33						0
	Fecal coliforms (per 100 ml)	19						0
	Chlorine residual (mg Cl2/l)							0,06
	Turbidity (NTU)	0,42	1,5	1,25	2,91	0,055		0,107
	Color (mg Pt/l)	11,7		4,6		3,6	2,8	
	COD-Mn (mg O/l)	3,59					1,97	
	TOC (mg C/l)	2,9					2	
	pH	6,6	7,57	7,54	7,33	7,145		8,74
	Alkalinity (mekv/l)	0,099	0,67				0,687	
	Calcium (mg Ca/l)	2,33	16,6				15,6	
	Conductivity (µS/cm)	28,5	101					160
	Temperature (°C)	10,6						
	Aluminium (mg Al/l)	0,057				0,077	0,082	
	Iron (mg Fe/l)							
Free CO2 (mmol/l)	0,019	0,04				0,027		
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12						2	
5-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,39	0,86	1,4	3,19	0,06		0,083
	Color (mg Pt/l)	11,4		1,8		1,8	1,4	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
pH	6,56	6,56	6,71	6,59	6,81		7,7	
Alkalinity (mekv/l)	0,1	0,473				0,469		
Calcium (mg Ca/l)	2,56	17,4				17,6		

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
5-Oct-94	Conductivity (µS/cm)	28,2				108	168	
	Temperature (°C)	10,4						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
Waterflow (m3/h)	12					2		
6-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)					0,18		
	Turbidity (NTU)	0,37	1,25	1,2	2,83	0,475		0,92
	Color (mg Pt/l)	11,7		3,9		3,6	3,6	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,72	7,37	7,38	7,31	7,39		8,67
	Alkalinity (mekv/l)	0,095	0,665				0,704	
	Calcium (mg Ca/l)	2,78	17,9				17,8	
	Conductivity (µS/cm)	27,8	104,1					155
	Temperature (°C)	10,2						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
7-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,375	1,5	1,45	2,79	0,45		0,92
	Color (mg Pt/l)	10,7		4,3		4,3	3,9	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,66	7,37	7,43	7,31	7,42		8,64
	Alkalinity (mekv/l)	0,097	0,673				0,702	
	Calcium (mg Ca/l)	2,72	17,5				17,7	
	Conductivity (µS/cm)	27,7	104,3					155
	Temperature (°C)	10,2						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
10-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,36	1,5	1,4	2,93	0,73		1,33
	Color (mg Pt/l)	11,4		4,6		4,3	3,9	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,64	7,52	7,53	7,38	7,55		8,71
	Alkalinity (mekv/l)	0,099	0,674				0,714	
	Calcium (mg Ca/l)	2,67	18,1				18,6	
	Conductivity (µS/cm)	74,2	103					158
	Temperature (°C)	10,3						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
11-Oct-94	Plate counts (per ml)	63					0	
	Coliforms (per 100 ml)	20					0	
	Fecal coliforms (per 100 ml)	15					0	
	Chlorine residual (mg Cl2/l)						0,06	
	Turbidity (NTU)	0,34	0,89	1,15	3,42	0,08		0,146
	Color (mg Pt/l)	11,7		4,3		4,6	4,3	
	COD-Mn (mg O/l)	3,43					2,89	
TOC (mg C/l)	2,9					2,3	5,1	

Østlandskonsult/Krüger

		Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continous outlet pilot plant	Backwash water
11-Oct-94	pH	6,77	7,92	7,51	7,39	7,46		8,75	7,45
	Alkalinity (mekv/l)	0,094	0,739				0,633		
	Calcium (mg Ca/l)	2,67	18,2				16,4		
	Conductivity (µS/cm)	26,6	104,2					158	
	Temperature (°C)	10,2							
	Aluminium (mg Al/l)	0,047				0,089	0,129		3,3
	Iron (mg Fe/l)	0,014							
	Free CO2 (mmol/l)	0,028	0,015				0,021		
	Suspended solids (mg SS/l)			9,1					381
	Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		5,65*	
12-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,36	2,2	1,6	2,99	0,07		0,094	
	Color (mg Pt/l)	11,4		5,3		2,8	2,1		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,58	9,19	7,89	*	7,1		8,44	
	Alkalinity (mekv/l)	0,094	0,977				0,59		
	Calcium (mg Ca/l)	2,77	23,1				16		
	Conductivity (µS/cm)	27,4	120,7					98	
	Temperature (°C)	10,2							
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	12					2			
13-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)						0,18		
	Turbidity (NTU)	0,36	1,75	1,8	1,7	0,08		0,117	
	Color (mg Pt/l)	11,4		3,6		3,2	2,5		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,78	4,83	4,89	4,85	4,92		5,22	
	Alkalinity (mekv/l)	0,098	0,041				0,04		
	Calcium (mg Ca/l)	2,66	2,86				2,81		
	Conductivity (µS/cm)	27,5	48,5					54	
	Temperature (°C)	10,1							
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)									
14-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,36	1,75	1,95	5,03	0,07		0,1	
	Color (mg Pt/l)	11		2,8		2,8	2,5		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,46	6,78	6,69	6,43	6,69		6,73	
	Alkalinity (mekv/l)	0,101	0,725				0,709		
	Calcium (mg Ca/l)	2,64	18,7				18,4		
	Conductivity (µS/cm)	27,75	109,9					105	
	Temperature (°C)	10							
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	12					2			
17-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,36	2,1	2,1	5,45	0,07		0,115	

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
17-Oct-94	Color (mg Pt/l)	11		3,2		3,2	2,5	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,74	7,02	7,01	6,73	6,97		7,03
	Alkalinity (mekv/l)	0,095	0,724				0,708	
	Calcium (mg Ca/l)	2,66	19				19,2	
	Conductivity (µS/cm)							106
	Temperature (°C)	9,6						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	12					2	
18-Oct-94	Plate counts (per ml)	71					0	
	Coliforms (per 100 ml)	21					0	
	Fecal coliforms (per 100 ml)	6					0	
	Chlorine residual (mg Cl2/l)						0,06	
	Turbidity (NTU)	0,36	1,7	1,95	20	0,075	0,075	0,123
	Color (mg Pt/l)	11,7		3,9		4,3		1,8
	COD-Mn (mg O/l)	2,68						1,6
	TOC (mg C/l)	3,1						2,1
	pH	6,71	7,46	7,29	7,06	7,28		7,4
	Alkalinity (mekv/l)	0,099	0,833				0,813	
	Calcium (mg Ca/l)	2,81	19				19,3	
	Conductivity (µS/cm)	27,1	104,3					110
	Temperature (°C)	9,4						
	Aluminium (mg Al/l)	0,05		1,114		0,05	0,052	
	Iron (mg Fe/l)	0,02						
	Free CO2 (mmol/l)	0,036	0,062				0,071	
	Suspended solids (mg SS/l)			9,74				
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
19-Oct-94	Plate counts (per ml)	82						
	Coliforms (per 100 ml)	14						
	Fecal coliforms (per 100 ml)	6						
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,36	1,55	1,4	14,8	0,065	0,075	0,194
	Color (mg Pt/l)	11,4		3,9		4,3	3,2	
	COD-Mn (mg O/l)	2,33						
	TOC (mg C/l)	3						
	pH	6,6	7,33	7,29	7,22	7,27	7,33	7,38
	Alkalinity (mekv/l)	0,095	0,834				0,823	
	Calcium (mg Ca/l)	2,87	19,9				19,9	
	Conductivity (µS/cm)	27,4	111,3					95
	Temperature (°C)	9,2						
	Aluminium (mg Al/l)	0,049						
	Iron (mg Fe/l)	0,015						
Free CO2 (mmol/l)	0,024							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
20-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)						0,09	
	Turbidity (NTU)	0,345	1,65	1,55	15,2	0,06	0,075	0,163
	Color (mg Pt/l)	11		4,3		3,9	2,8	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,82	7,4	7,33	7,35	7,29	7,32	7,39
	Alkalinity (mekv/l)	0,093	0,848				0,818	
	Calcium (mg Ca/l)	2,77	19,1				19,3	
	Conductivity (µS/cm)	27,66	111,3					96
	Temperature (°C)	9						
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
21-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							



Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
21-Oct-94	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,36	1,7	1,7	15,2	0,07	0,075	0,17
	Color (mg Pt/l)	11		3,9		3,9	2,8	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							72,8
	pH	6,79	7,47	7,34	7,29	7,3	7,35	7,38
	Alkalinity (mekv/l)	0,096	0,882				0,848	
	Calcium (mg Ca/l)	2,87	19,6				19,3	
	Conductivity (µS/cm)	28,67	114,6					95
	Temperature (°C)	9						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)			8					388
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		5,83*
24-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,34	1,9	1,8	10,9	0,07	0,075	0,159
	Color (mg Pt/l)	11,7		3,2		3,6	2,5	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,65	7,28	7,15	7,04	7,13	7,17	7,18
	Alkalinity (mekv/l)	0,097	0,703				0,673	
	Calcium (mg Ca/l)	2,77	18				16,8	
	Conductivity (µS/cm)	28,3	98,3					86
	Temperature (°C)	8,2						
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
25-Oct-94	Plate counts (per ml)	86				17	0	
	Coliforms (per 100 ml)	13				0	0	
	Fecal coliforms (per 100 ml)	4				0	0	
	Chlorine residual (mg Cl2/l)						0,11	
	Turbidity (NTU)	0,34	2,3	2,2	10,2	0,06	0,07	0,195
	Color (mg Pt/l)	11,7		3,2		3,2	2,5	
	COD-Mn (mg O/l)	2,64					1,1	
	TOC (mg C/l)	2,8					1,6	
	pH	6,66	7,39	7,1	7,13	7,07	7,24	7,15
	Alkalinity (mekv/l)	0,093	0,694				0,671	
	Calcium (mg Ca/l)	2,89	18,2				17,9	
	Conductivity (µS/cm)	27,75	102,8					90
	Temperature (°C)	8,2						
	Aluminium (mg Al/l)	0,087	2,48			0,029	0,029	
Iron (mg Fe/l)	0,021							
Free CO2 (mmol/l)	0,308	0,087				0,087		
Suspended solids (mg SS/l)			12					
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
26-Oct-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,36	2	2,1	10,6	0,08	0,07	0,174
	Color (mg Pt/l)	11,7		2,5		2,5	2,1	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							33
	pH		7,38	7,16	7,17	7,14	7,14	7,17
	Alkalinity (mekv/l)	0,131	0,719				0,679	
	Calcium (mg Ca/l)		18				17,6	
	Conductivity (µS/cm)	40,2	105,5					90
	Temperature (°C)	8,2						
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)			9,2					228
Copper in standing water (mg Cu/l)								

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water	
26-Oct-94	Waterflow (m3/h)	12				2			
27-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)					0,1			
	Turbidity (NTU)	0,37	2,2	2,4	10,4	0,07	0,07	0,19	
	Color (mg Pt/l)	11,4		2,8		2,8	3,2		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,74	7,05	7,06	7,17	7,03	7,85	9,54	
	Alkalinity (mekv/l)	0,098	0,67				0,799		
	Calcium (mg Ca/l)	2,49	16,6				18,2		
	Conductivity (µS/cm)	29,5	109,9					92	
	Temperature (°C)	8,2							
	Waterflow (m3/h)	12					2		
28-Oct-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,4	2,2	2,1	11,2	0,07	0,06	0,17	
	Color (mg Pt/l)	12,4		3,2		3,6	2,5		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,44	7,3	7,19	7,26	7,15	7,35	6,94	
	Alkalinity (mekv/l)	0,097	0,722				0,733		
	Calcium (mg Ca/l)	3,01	18,7				18,5		
	Conductivity (µS/cm)	29,5	110,7					95	
	Temperature (°C)	8,1							
	Waterflow (m3/h)	12					2		
31-Oct-94	Plate counts (per ml)	>=330							
	Coliforms (per 100 ml)	12							
	Fecal coliforms (per 100 ml)	3							
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,6	2,4	2,1	11	0,07	0,07	0,132	
	Color (mg Pt/l)	13,5		3,9		3,6	2,8		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,65	7,24	7,14	7,14	7,09	7,11	7,15	
	Alkalinity (mekv/l)	0,097	0,696				0,68		
	Calcium (mg Ca/l)	2,79	19,2				19,1		
	Conductivity (µS/cm)	29,7	109,6					90	
	Temperature (°C)	8							
	Waterflow (m3/h)	12					2		
1-Nov-94	Plate counts (per ml)	220				18	0		
	Coliforms (per 100 ml)	9				0	0		
	Fecal coliforms (per 100 ml)	5				0	0		
	Chlorine residual (mg Cl2/l)						0,04		
	Turbidity (NTU)	0,4	1,8	1,75	11,3	0,075	0,08	0,08	27
	Color (mg Pt/l)	11,7		4,3		3,9	3,2		
	COD-Mn (mg O/l)	3,18					1,63		
	TOC (mg C/l)	3					2	59	
	pH	6,65	7,39	7,18	7,15	7,16	7,37	8,96	7,19
	Alkalinity (mekv/l)	0,099	0,714	0,707			0,735		
	Calcium (mg Ca/l)	2,92	18,8				18,5		
	Conductivity (µS/cm)	29,5	104,3					87	
	Temperature (°C)	7,9							
	Aluminium (mg Al/l)	0,049	1,6			0,033	0,031	56,1	
Iron (mg Fe/l)	0,022								

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
1-Nov-94	Free CO2 (mmol/l)	0,265	0,278			0,218		
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	12				2		
2-Nov-94	Plate counts (per ml)	>620			25	0		
	Coliforms (per 100 ml)	22			0	0		
	Fecal coliforms (per 100 ml)	2			0	0		
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,475	2,1	2,1	11	0,09	0,11	0,14
	Color (mg Pt/l)	12,1	3,6	3,6		3,6	3,2	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,62	7,25	7,18	7,2	7,14	7,41	*
	Alkalinity (mekv/l)	0,123	0,714				0,712	
	Calcium (mg Ca/l)	3						
	Conductivity (µS/cm)	29,8						88
	Temperature (°C)	7,8						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
3-Nov-94	Plate counts (per ml)	>=500			16	0		
	Coliforms (per 100 ml)	12			0	0		
	Fecal coliforms (per 100 ml)	6			0	0		
	Chlorine residual (mg Cl2/l)					0,21		
	Turbidity (NTU)	0,45	1,9	1,9	11,4	0,1	0,195	0,212
	Color (mg Pt/l)	11,7		3,9		3,9	3,9	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,78	7,32	7,22	7,23	7,16	7,52	9,17
	Alkalinity (mekv/l)	0,102	0,746				0,62	
	Calcium (mg Ca/l)	2,81	16,4				13,9	
	Conductivity (µS/cm)	29,2	105,9					86
	Temperature (°C)	7,7						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
4-Nov-94	Plate counts (per ml)	>510			23	3		
	Coliforms (per 100 ml)	15			0	0		
	Fecal coliforms (per 100 ml)	1			0	0		
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,44	2	1,9	11,5	0,1	0,2	0,213
	Color (mg Pt/l)	12,1		3,9		4,6	4,3	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,7	7,31	7,22	7,21	7,17	7,54	9,22
	Alkalinity (mekv/l)	0,1	0,751				0,635	
	Calcium (mg Ca/l)	2,77	17,8				13,9	
	Conductivity (µS/cm)	29,8	106,7					88
	Temperature (°C)	7,5						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
7-Nov-94	Plate counts (per ml)	>=310			18	0		
	Coliforms (per 100 ml)	10			0	0		
	Fecal coliforms (per 100 ml)	5			0	0		
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	1,9	1,85	12	0,085	0,175	0,19
	Color (mg Pt/l)	12,4		4,3		4,6	5	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,67	7,31	7,25	7,41	7,22	7,79	9,13
	Alkalinity (mekv/l)	0,097	0,745				0,755	
Calcium (mg Ca/l)	2,71	17,7				16,4		
Conductivity (µS/cm)	29,6	107,7					90	

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
7-Nov-94	Temperature (°C)	7,3						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	12					2	
8-Nov-94	Plate counts (per ml)	265				26	0	
	Coliforms (per 100 ml)	20				0	0	
	Fecal coliforms (per 100 ml)	10				0	0	
	Chlorine residual (mg Cl2/l)						0,17	
	Turbidity (NTU)	0,425	1,8	1,8	15,4	0,07	0,075	0,276
	Color (mg Pt/l)	11,7		4,3		3,9	3,2	
	COD-Mn (mg O/l)	2,9					1,65	
	TOC (mg C/l)	3,2					2,1	68,7
	pH	6,59	7,5	7,38	7,33	7,32	7,66	7,92
	Alkalinity (mekv/l)	0,099	0,798				0,838	
	Calcium (mg Ca/l)	2,97	19,7				19,8	
	Conductivity (µS/cm)	29,4	111,3					92
	Temperature (°C)	7,2						
	Aluminium (mg Al/l)	0,06	1,45			0,041		
	Iron (mg Fe/l)	0,0191						
	Free CO2 (mmol/l)	0,033	0,043				0,025	
Suspended solids (mg SS/l)			7				408	
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
9-Nov-94	Plate counts (per ml)	>=360						
	Coliforms (per 100 ml)	23						
	Fecal coliforms (per 100 ml)	5						
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	2	1,9	15,1	0,075	0,08	0,266
	Color (mg Pt/l)	12,4		3,9		4,3	3,9	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,62	7,47	7,4	7,33	7,33	7,86	7,97
	Alkalinity (mekv/l)	0,099	0,795				0,864	
	Calcium (mg Ca/l)	2,82	19,2				19	
	Conductivity (µS/cm)	29,5	111,6					92
	Temperature (°C)	7,2						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
10-Nov-94	Plate counts (per ml)	430			overgrodd			
	Coliforms (per 100 ml)	13				0		
	Fecal coliforms (per 100 ml)	11				0		
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	1,9	1,9	15,1	0,09	0,09	0,246
	Color (mg Pt/l)	12,8		3,6		4,3	3,9*	
	COD-Mn (mg O/l)	2,9						
	TOC (mg C/l)	3,2						
	pH	6,66	7,33	7,31	7,27	7,37	7,87	7,89
	Alkalinity (mekv/l)	0,094	0,767				0,86	
	Calcium (mg Ca/l)	2,84	20,7				19,4	
	Conductivity (µS/cm)	29,9	112					91
	Temperature (°C)	7,1						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
11-Nov-94	Plate counts (per ml)	310				12	0	
	Coliforms (per 100 ml)	9				0	0	
	Fecal coliforms (per 100 ml)	3				0	0	
	Chlorine residual (mg Cl2/l)						0,05	
	Turbidity (NTU)	0,41	1,9	1,8	15,5	0,07	0,075	
	Color (mg Pt/l)	11,7		3,9		3,9	3,2	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
pH	6,5	7,41	7,39	7,35	7,34	7,83	8,01	

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
11-Nov-94	Alkalinity (mekv/l)	0,097	0,425			0,865		
	Calcium (mg Ca/l)	2,8	19,7			19,5		
	Conductivity (µS/cm)	30,4	113,4				92	
	Temperature (°C)	7						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	12					2	
14-Nov-94	Plate counts (per ml)	880			15	1		
	Coliforms (per 100 ml)	10			0	0		
	Fecal coliforms (per 100 ml)	8			0	0		
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	1,9	1,9	16,3	0,08	0,085	
	Color (mg Pt/l)	12,1		3,9		4,3	3,2	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,46	7,4	7,35	7,25	7,3	7,9	8,04
	Alkalinity (mekv/l)	0,099	0,803				0,874	
	Calcium (mg Ca/l)	2,69	19				19,1	
	Conductivity (µS/cm)	29,8	112,8					92
	Temperature (°C)	6,5						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
15-Nov-94	Plate counts (per ml)	170			37	1		
	Coliforms (per 100 ml)	9			0	0		
	Fecal coliforms (per 100 ml)	5			1	0		
	Chlorine residual (mg Cl2/l)						0,09	
	Turbidity (NTU)	0,4	1,6	1,7	3	0,08	0,085	0,25
	Color (mg Pt/l)	11,7		3,9		3,6	2,8	
	COD-Mn (mg O/l)	3,078					1,535	
	TOC (mg C/l)	3					2,3	
	pH	6,85	6,83	6,88	6,84	6,86	7,21	6,85
	Alkalinity (mekv/l)	0,1	0,606				0,713	
	Calcium (mg Ca/l)	2,74	15,4				15,9	
	Conductivity (µS/cm)	29,7	95,8					85
	Temperature (°C)	6,3						
	Aluminium (mg Al/l)	0,05	1,41			0,032	0,028	
	Iron (mg Fe/l)	0,0233						
	Free CO2 (mmol/l)	0,04	0,15				0,069	
Suspended solids (mg SS/l)			5,4					
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
16-Nov-94	Plate counts (per ml)	170			FMT-forur.	0		
	Coliforms (per 100 ml)	10			0	0		
	Fecal coliforms (per 100 ml)	2			0	0		
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,37	1,65	1,65		0,06	0,06	0,218
	Color (mg Pt/l)	12,1		3,9		3,6	2,5	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							54,1
	pH	6,43	6,87	6,8	6,74	6,76	7,48	7,24
	Alkalinity (mekv/l)	0,095	0,6				0,777	
	Calcium (mg Ca/l)	2,95	16,4				16,8	
	Conductivity (µS/cm)	29,54	97					84,5
	Temperature (°C)	6,2						
	Aluminium (mg Al/l)							68,3
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)							367	
Copper in standing water (mg Cu/l)						2,41		
Waterflow (m3/h)	12					2		
17-Nov-94	Plate counts (per ml)	220			24	0		
	Coliforms (per 100 ml)	7			0	0		
	Fecal coliforms (per 100 ml)	4			0	0		
	Chlorine residual (mg Cl2/l)						0,05	
	Turbidity (NTU)	0,37	1,65	1,65	5	0,06	0,065	0,22
	Color (mg Pt/l)	11,7		3,9		2,8	3,2	

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
17-Nov-94	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,43	6,83	6,84	7,21	6,84	7,96	8,58
	Alkalinity (mekv/l)	0,101	0,653				0,872	
	Calcium (mg Ca/l)	2,8	15,1				16,1	
	Conductivity (µS/cm)	30,1	97,6					82,1
	Temperature (°C)	6,1						7,3
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
Copper in standing water (mg Cu/l)						1,39		
Waterflow (m3/h)	12					2		
18-Nov-94	Plate counts (per ml)	190				8	0	
	Coliforms (per 100 ml)	18				1	0	
	Fecal coliforms (per 100 ml)	1				0	0	
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	1,9	1,9	0,22	0,15	0,17	0,232
	Color (mg Pt/l)	12,1		3,2		3,6	2,8	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,81	6,72	6,8	7,07	6,79	7,14	7,09
	Alkalinity (mekv/l)	0,098	0,588				0,71	
	Calcium (mg Ca/l)	2,85	15,3				15,4	
	Conductivity (µS/cm)	30,97	94,48				108,5	75,6
	Temperature (°C)	6						7,1
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
22-Nov-94	Plate counts (per ml)	170				10	0	
	Coliforms (per 100 ml)	7				0	0	
	Fecal coliforms (per 100 ml)	2				0	0	
	Chlorine residual (mg Cl2/l)						0,07	
	Turbidity (NTU)	0,32	1,55	1,6	16,1	0,08		0,25
	Color (mg Pt/l)	11,4		3,6		3,6		
	COD-Mn (mg O/l)	2,911						
	TOC (mg C/l)	3,2					2,3	58,5
	pH	6,64	6,7	6,68	6,96	6,66	7,09	7,01
	Alkalinity (mekv/l)	0,142	0,582				0,714	
	Calcium (mg Ca/l)	2,78	15,1				15	
	Conductivity (µS/cm)	30,7	93					74
	Temperature (°C)							7,6
	Aluminium (mg Al/l)	0,059	1,2			0,027	0,029	67,7
	Iron (mg Fe/l)	0,026						
Free CO2 (mmol/l)	0,036	0,14				0,076		
Suspended solids (mg SS/l)			5,3				332	
Copper in standing water (mg Cu/l)						1,33		
Waterflow (m3/h)	12					2		
23-Nov-94	Plate counts (per ml)	190				22	0	
	Coliforms (per 100 ml)	9				0	0	
	Fecal coliforms (per 100 ml)	4				0	0	
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	1,7	1,6	5,23	0,06	0,06	0,211
	Color (mg Pt/l)	12,1		3,9		3,6	3,2	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,53	6,98	6,87	7,02	6,84	7,33	7,28
	Alkalinity (mekv/l)	0,101	0,673				0,78	
	Calcium (mg Ca/l)	2,85	17,1				16,5	
	Conductivity (µS/cm)	30	102,4					77,7
	Temperature (°C)	5,4						6,9
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
24-Nov-94	Plate counts (per ml)	160				18	0	
	Coliforms (per 100 ml)	7				0	0	
	Fecal coliforms (per 100 ml)	2				0	0	

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
24-Nov-94	Chlorine residual (mg Cl2/l)					0,06		
	Turbidity (NTU)	0,36	1,5	1,5	50,3	0,07	0,06	0,209
	Color (mg Pt/l)	11,7		4,6		4,3	3,2	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,51	7,11	7,04	7,15	7,04	7,75	8,04
	Alkalinity (mekv/l)	0,101	0,664				0,788	
	Calcium (mg Ca/l)	2,94	17,6				17,7	
	Conductivity (µS/cm)	30,6	102,6					78,8
	Temperature (°C)	5,4						7
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
Copper in standing water (mg Cu/l)						1,72		
Waterflow (m3/h)								
25-Nov-94	Plate counts (per ml)	150				7	0	
	Coliforms (per 100 ml)	10				0	0	
	Fecal coliforms (per 100 ml)	5				0	0	
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,39	1,7	1,6	88	0,06	0,06	0,19
	Color (mg Pt/l)	11,7		3,9		3,6	2,8	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,55	7,02	6,99	7,04	6,94	7,58	
	Alkalinity (mekv/l)	0,102	0,645					
	Calcium (mg Ca/l)	3,01	17,4				17	
	Conductivity (µS/cm)	30,3	99,7				75,5	76,2
	Temperature (°C)	5,3						6,8
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12						2	
28-Nov-94	Plate counts (per ml)	160			11	15	2	
	Coliforms (per 100 ml)	16			0	1	0	
	Fecal coliforms (per 100 ml)	7			0	0	0	
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,44	1,7	1,6	4,48	0,07	0,07	0,22
	Color (mg Pt/l)	12,1		3,9		4,3	3,9	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,54	6,96	6,98	7,13	6,99	7,52	7,63
	Alkalinity (mekv/l)	0,094	0,632			0,747		
	Calcium (mg Ca/l)	2,93	16,9				16,8	
	Conductivity (µS/cm)	28,5	95,3					
	Temperature (°C)	5						6,4
	Aluminium (mg Al/l)							
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
29-Nov-94	Plate counts (per ml)	200				19	2	
	Coliforms (per 100 ml)	19				0	0	
	Fecal coliforms (per 100 ml)	17				0	0	
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,4	1,5	1,5	44,6	0,07	0,07	0,201
	Color (mg Pt/l)	12,1		3,9		3,6	2,8	
	COD-Mn (mg O/l)	3,32					1,43	
	TOC (mg C/l)	2,9					2,2	51,6
	pH	6,61	6,89	6,93	6,99	6,91	7,49	7,45
	Alkalinity (mekv/l)	0,1	0,613				0,73	
	Calcium (mg Ca/l)	2,98	16,6				16,6	
	Conductivity (µS/cm)	27,7	89,1					76,2
	Temperature (°C)	4,9						6,3
	Aluminium (mg Al/l)	0,057	1,1			0,035	0,038	64,4
Iron (mg Fe/l)	0,026							
Free CO2 (mmol/l)	0,034	0,217				0,037		
Suspended solids (mg SS/l)			5,8				345	
Copper in standing water (mg Cu/l)						1,08		
Waterflow (m3/h)	12						2	

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
30-Nov-94	Plate counts (per ml)	180			7	5		
	Coliforms (per 100 ml)	14			0	0		
	Fecal coliforms (per 100 ml)	16			0	0		
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,39	1,7	1,5	42,9	0,07	0,065	0,19
	Color (mg Pt/l)	12,1		4,3		3,9	3,2	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,47	6,96	7	7,02	6,94	7,58	7,51
	Alkalinity (mekv/l)	0,1	0,604				0,737	
	Calcium (mg Ca/l)	2,97	16,4				16,6	
	Conductivity (µS/cm)	28,3	90,3					75,8
	Temperature (°C)	4,6						6,2
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
1-Dec-94	Plate counts (per ml)	170			18	0		
	Coliforms (per 100 ml)	13			1	0		
	Fecal coliforms (per 100 ml)	7			0	0		
	Chlorine residual (mg Cl2/l)					0,07		
	Turbidity (NTU)	0,38	1,8	1,9	46,4	0,26	0,185	0,499
	Color (mg Pt/l)	11,4		3,2		2,8	2,5	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,41	6,78	6,84	6,8	6,83	7,23	7,15
	Alkalinity (mekv/l)	0,098	0,564				0,679	
	Calcium (mg Ca/l)	3,05	18				16,5	
	Conductivity (µS/cm)	27,5	89					76,9
	Temperature (°C)	4,7						6,1
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)						1,28		
Waterflow (m3/h)								
2-Dec-94	Plate counts (per ml)	160			6	7		
	Coliforms (per 100 ml)	13			0	0		
	Fecal coliforms (per 100 ml)	8			0	0		
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	2	2	3	0,06	0,08	0,2
	Color (mg Pt/l)	11,7		3,2		2,8	2,5	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,68	6,89	6,77	6,81	6,74	7,22	7,09
	Alkalinity (mekv/l)	0,1	0,543				0,641	
	Calcium (mg Ca/l)	2,96	16,4				16,9	
	Conductivity (µS/cm)	27,5	87,4					77,6
	Temperature (°C)	4,7						6
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12				2			
5-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,38	1,5	1,5	5,23	0,09	0,085	0,229
	Color (mg Pt/l)	12,1		3,9	3,9	4,6	4,3	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,4	6,88	6,92	6,99	6,91	7,54	7,68
	Alkalinity (mekv/l)	0,097	0,617				0,733	
	Calcium (mg Ca/l)	3,04	16,9				16,2	
	Conductivity (µS/cm)	28	96,3					78
	Temperature (°C)	4,4						5,8
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								



Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
5-Dec-94	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	12				2		
6-Dec-94	Plate counts (per ml)	180					6	
	Coliforms (per 100 ml)	10					0	
	Fecal coliforms (per 100 ml)	6					0	
	Chlorine residual (mg Cl2/l)						0,01	
	Turbidity (NTU)	0,42	1,2	1,4	40,5	0,54	0,25	0,928
	Color (mg Pt/l)	12,1		6		6	9,9	
	COD-Mn (mg O/l)	3,11					2,7	
	TOC (mg C/l)						3,1	
	pH	6,45	7,47	7,45	7,68	7,43	8,54	9,27
	Alkalinity (mekv/l)	0,096	0,742				0,778	
	Calcium (mg Ca/l)	2,9	17,8				14,6	
	Conductivity (µS/cm)	29,5	98					72,5
	Temperature (°C)	4,2						5,6
	Aluminium (mg Al/l)	0,044	1,07			0,7	0,715	
	Iron (mg Fe/l)	0,025						
	Free CO2 (mmol/l)	0,025	0,033					
	Suspended solids (mg SS/l)			4				
Copper in standing water (mg Cu/l)						1,35		
Waterflow (m3/h)	12					2		
7-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,38	1,5	1,5	7,55	0,055	0,06	0,208
	Color (mg Pt/l)	12,1		3,6		3,6	3,6	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,42	7,18	7,13	7,25	7,09	8,15	8,79
	Alkalinity (mekv/l)	0,096	0,693				0,793	
	Calcium (mg Ca/l)	2,99	18,5				17,9	
	Conductivity (µS/cm)	29,1	104,5					117
	Temperature (°C)	4						
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							328
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2		
8-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)						0,05	
	Turbidity (NTU)	0,4	1,5	1,2	16,5	0,05	0,19	27,5
	Color (mg Pt/l)	11,7		3,2		2,8	3,6	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							39,4
	pH	6,45	6,95	6,85	6,95	6,88	9,23	7,22
	Alkalinity (mekv/l)	0,096	0,669				0,993	
	Calcium (mg Ca/l)	2,9	17,1				17,9	
	Conductivity (µS/cm)	30,1	99,5					133,7
	Temperature (°C)	4,1						5,7
	Aluminium (mg Al/l)							71
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							328
Copper in standing water (mg Cu/l)						0,38		
Waterflow (m3/h)	12					2		
9-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,36	1,4	1,5	32,5	0,08	0,1	0,235
	Color (mg Pt/l)	11,4		4,3		4,3	3,9	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,46	7,09	7,07	7,14	7,02	7,07	7
	Alkalinity (mekv/l)	0,094	0,721				0,718	
	Calcium (mg Ca/l)	2,97	17,8				18,2	
Conductivity (µS/cm)	29,9	98,9				101,6		
Temperature (°C)	4					5,6		

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
9-Dec-94	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
	Suspended solids (mg SS/l)							
	Copper in standing water (mg Cu/l)							
Waterflow (m3/h)	12				2			
12-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	1,4	1,3	89,7	0,075	0,08	0,217
	Color (mg Pt/l)	11,4		5		4,3	3,6	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,42	7,08	7,05	7,13	7,05	7,18	7,01
	Alkalinity (mekv/l)	0,106	0,741				0,732	
	Calcium (mg Ca/l)	2,96	17,9				15,1	
	Conductivity (µS/cm)	30,06	99,4					103,6
	Temperature (°C)	4						5,6
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12				2			
13-Dec-94	Plate counts (per ml)	300						3
	Coliforms (per 100 ml)	9						0
	Fecal coliforms (per 100 ml)	7						0
	Chlorine residual (mg Cl2/l)							0,04
	Turbidity (NTU)	0,385	2,1	2,1	36,8	0,06	0,208	
	Color (mg Pt/l)			4,3		3,9	3,6	
	COD-Mn (mg O/l)	3,36					1,72	
	TOC (mg C/l)	3,1					2	
	pH	6,4	7,21	7,13	7,25	7,1	7,05	
	Alkalinity (mekv/l)	0,101	0,771				0,749	
	Calcium (mg Ca/l)	3,01	17,8				18,1	
	Conductivity (µS/cm)	30,78	102				104,4	
	Temperature (°C)	4						5,3
	Aluminium (mg Al/l)	0,057	1,16			0,039	0,045	
	Iron (mg Fe/l)	0,02						
Free CO2 (mmol/l)	0,022	0,085				0,08		
Suspended solids (mg SS/l)			6					
Copper in standing water (mg Cu/l)						2,32		
Waterflow (m3/h)								
14-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	2,1	2,2	22,3	0,06	0,06	0,192
	Color (mg Pt/l)	11,7		3,6		3,9	3,2	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,41	7,23	7,19	7,25	7,11	7,13	7,06
	Alkalinity (mekv/l)	0,1	0,81				0,777	
	Calcium (mg Ca/l)	2,94	18,9				18,7	
	Conductivity (µS/cm)	20,28	103,9					109,2
	Temperature (°C)	3,9						5,3
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
15-Dec-94	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)					0,02		
	Turbidity (NTU)	0,44	2,4	2,25		0,07	0,222	
	Color (mg Pt/l)	11,7		3,6		3,9	4,6	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,55	7,26	7,17	7,19	7,12	9,25	9,48
Alkalinity (mekv/l)	0,097	0,761				1,07		

Østlandskonsult/Krüger

		Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
15-Dec-94	Calcium (mg Ca/l)	2,89					18,1		
	Conductivity (µS/cm)	30						133,7	
	Temperature (°C)	3,7						5,1	
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								
	Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12					2			
16-Dec-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,44	2,5	2,5	23,6	1,2	0,3	2,08	
	Color (mg Pt/l)	11,7		3,2		3,9	5		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,51	7,32	7,18	7,3	7,16	8,5	9,03	
	Alkalinity (mekv/l)	0,097	0,77				0,964		
	Calcium (mg Ca/l)	2,99	18,6				18,5		
	Conductivity (µS/cm)	30,5	104,8						126,6
	Temperature (°C)	3,8							5,3
	Aluminium (mg Al/l)								
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)						0,18			
Waterflow (m3/h)									
19-Dec-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,45	2,35		17,9	0,085	0,09	0,238	62,5
	Color (mg Pt/l)	11,7	3,9			4,3	4,3		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								50,8
	pH	6,78	7,17	7,13	6,93	7,12	8,58	8,99	7,51
	Alkalinity (mekv/l)	0,1	0,795				0,954		
	Calcium (mg Ca/l)	3	19,1				18,4		
	Conductivity (µS/cm)	30,6	104,7						122,4
	Temperature (°C)	3,9							5,6
	Aluminium (mg Al/l)								50,6
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)								331	
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	12					2			
20-Dec-94	Plate counts (per ml)	290					0		
	Coliforms (per 100 ml)	22					0		
	Fecal coliforms (per 100 ml)	7					0		
	Chlorine residual (mg Cl2/l)						0,03		
	Turbidity (NTU)	0,41	2,6	2,5	16,5	0,07	0,07	0,201	
	Color (mg Pt/l)	11		3,6		3,6	3,2		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,47	7,27	7,25	7,14	7,17	8,53	9,05	
	Alkalinity (mekv/l)	0,1	0,696				0,857		
	Calcium (mg Ca/l)	3,07	19,5				19,3		
	Conductivity (µS/cm)	26,9	92,5						119,7
	Temperature (°C)	3,9							5,8
	Aluminium (mg Al/l)								
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)						0,2			
Waterflow (m3/h)	12					2			
21-Dec-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,52	2,65	2,5	20	0,07			
Color (mg Pt/l)	12,4		3,6		3,9	0,075	0,206		
COD-Mn (mg O/l)	3,36					1,91			

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water	
21-Dec-94	TOC (mg C/l)	3,2				2,1			
	pH	0,44	7,32	7,22	7,18	7,2	8,35		
	Alkalinity (mekv/l)	0,101	0,705				0,847		
	Calcium (mg Ca/l)	2,92	19,7				19,3		
	Conductivity (µS/cm)	29,33	102,4					121,2	
	Temperature (°C)	3,9						5,8	
	Aluminium (mg Al/l)	0,108	1,4			0,142	0,08		
	Iron (mg Fe/l)	0,029							
	Free CO2 (mmol/l)	0,021	0,064						
	Suspended solids (mg SS/l)			7,3					
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	12				2				
22-Dec-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)					0,02			
	Turbidity (NTU)	0,44	2,6	2,6	21,8	0,075	0,2	68	
	Color (mg Pt/l)	12,1		3,9		3,9	4,3		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,46	7,17	7,19	7,36	7,21	8,48	9,03	7,51
	Alkalinity (mekv/l)	0,102	0,698				0,86		
	Calcium (mg Ca/l)	3	20,5				20		
	Conductivity (µS/cm)	29,5	102					122,3	
	Temperature (°C)	3,8						5,8	
	Aluminium (mg Al/l)								
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)								461	
Copper in standing water (mg Cu/l)						0,17			
Waterflow (m3/h)	12					2			
23-Dec-94	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,46	2,65	2,55	24,3	0,07	0,075	0,225	
	Color (mg Pt/l)	12,1		3,9		3,9	4,6		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,41	7,29	7,24	7,23	7,19	8,51	8,99	
	Alkalinity (mekv/l)	0,1	0,716				0,861		
	Calcium (mg Ca/l)	2,87	20,4				19,7		
	Conductivity (µS/cm)	29,1	103					123,6	
	Temperature (°C)	3,9						5,6	
	Aluminium (mg Al/l)								
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)									
3-Jan-95	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)					0,02			
	Turbidity (NTU)	0,375	2,4	2,4	19,8	0,07	0,075	0,062	66
	Color (mg Pt/l)	11,7		4,3		3,9	4,6		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH		7,5	7,36	7,4	7,31	8,49	8,85	7,54
	Alkalinity (mekv/l)	0,102	0,726				0,851		
	Calcium (mg Ca/l)	2,96	18				18,5		
	Conductivity (µS/cm)	29,13	100,2					126,7	
	Temperature (°C)	3,8						6	
	Aluminium (mg Al/l)								63,2
Iron (mg Fe/l)									
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)								377	
Copper in standing water (mg Cu/l)						0,21			
Waterflow (m3/h)	12				2				
4-Jan-95	Plate counts (per ml)	280					0		
	Coliforms (per 100 ml)	7					0		
	Fecal coliforms (per 100 ml)	0					0		
	Chlorine residual (mg Cl2/l)								

Østlandskonsult/Krüger

	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continous outlet pilot plant	Backwash water
4-Jan-95	Turbidity (NTU)	0,41	2,2	2,2	14	0,075	0,075	0,061
	Color (mg Pt/l)	12,1		4,6		4,6		
	COD-Mn (mg O/l)	2,96					1,76	
	TOC (mg C/l)						2,2	
	pH	6,73	7,41	7,29	7,22	7,24	8,16	8,84
	Alkalinity (mekv/l)	0,099	0,712				0,852	
	Calcium (mg Ca/l)	2,8	17,9	17,7			17,7	
	Conductivity (µS/cm)	29,6	100,6					73,8
	Temperature (°C)	3,8						5,6
	Aluminium (mg Al/l)	0,06	1,36			0,039	0,035	
	Iron (mg Fe/l)	0,02						
	Free CO2 (mmol/l)	0,036	0,06					
	Suspended solids (mg SS/l)			6				
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	12				2			
5-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,41	2,7	2,6	21,7	0,085	0,09	0,09
	Color (mg Pt/l)	12,1		3,9		3,6	3,9	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,66	7,25	7,24	7,14	7,18	7,16	7,07
	Alkalinity (mekv/l)	0,098	0,701				0,673	
	Calcium (mg Ca/l)	2,82	17,4				17,2	
	Conductivity (µS/cm)	29,7	101					65,8
	Temperature (°C)	3,8						5,7
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)						0,2		
Waterflow (m3/h)	17				2			
6-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,385	2,75	2,65	24	0,09	0,1	0,06
	Color (mg Pt/l)	12,1		3,9		3,6	3,9	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,74	7,34	7,27	7,21	7,21	8,51	8,96
	Alkalinity (mekv/l)	0,099	0,713				0,85	
	Calcium (mg Ca/l)	2,88	18,7				18	
	Conductivity (µS/cm)	29,3	102,1					75,9
	Temperature (°C)	3,8						5,9
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	17				2			
9-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,4	2,7	2,7		0,1	0,1	
	Color (mg Pt/l)	11,4		3,9		3,2	3,9	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,65	7,31	7,32		7,22	8,43	
	Alkalinity (mekv/l)	0,101	0,715				0,841	
	Calcium (mg Ca/l)	3,05	19,5				20,3	
	Conductivity (µS/cm)	29,9	102,2					
	Temperature (°C)	3,9						
Aluminium (mg Al/l)								
Iron (mg Fe/l)								
Free CO2 (mmol/l)								
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	17				2			
10-Jan-95	Plate counts (per ml)	230					4	

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	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water	
10-Jan-95	Coliforms (per 100 ml)	5				0			
	Fecal coliforms (per 100 ml)	1				0			
	Chlorine residual (mg Cl2/l)					0,05			
	Turbidity (NTU)	0,4	2,6	2,55	26,3	0,1	0,09	0,06	
	Color (mg Pt/l)	11		3,6		3,6	3,9		
	COD-Mn (mg O/l)	3,18					1,79		
	TOC (mg C/l)	3					1,9		
	pH	6,56	7,41	7,3	7	7,24	8,54	8,82	
	Alkalinity (mekv/l)	0,1	0,74				0,873		
	Calcium (mg Ca/l)	3,04	19,3				20		
	Conductivity (µS/cm)	30	105,4					76,1	
	Temperature (°C)	3,9						5,2	
	Aluminium (mg Al/l)	0,046	1,54			0,034	0,033		
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)	0,04							
Suspended solids (mg SS/l)			7,5						
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	17				2				
11-Jan-95	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,36	2,45	2,4	13,1	0,075	0,08	0,094	72
	Color (mg Pt/l)	11,7		3,6		3,9	3,9		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,54	7,33	7,28	7,13	7,22	8,38	8,88	7,61
	Alkalinity (mekv/l)	0,1	0,748				0,883		
	Calcium (mg Ca/l)	2,88	19,2				19		
	Conductivity (µS/cm)	29,9	105,2					93,1	
	Temperature (°C)	3,9						5,2	
	Aluminium (mg Al/l)								74,8
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)								397	
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	17			2					
12-Jan-95	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)						0,02		
	Turbidity (NTU)	0,35	2,25	2,25	16,9	0,15	0,26	0,971	
	Color (mg Pt/l)	11,7		5		4,3	5,3		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,79	7,47	7,44	7,25	7,37	8,48	8,94	
	Alkalinity (mekv/l)	0,101	0,769				0,842		
	Calcium (mg Ca/l)	2,26	23,1				21,9		
	Conductivity (µS/cm)	29,7	104					85,5	
	Temperature (°C)	3,9						5,2	
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	17				2				
13-Jan-95	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)						0,05		
	Turbidity (NTU)	0,34	2,5	2,4	19,2	0,11	0,16	0,313	
	Color (mg Pt/l)	11,7		4,3		4,6	5,3		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,59	7,11	7,4	7,29	7,36	8,73	9,05	
	Alkalinity (mekv/l)	0,102	0,795				0,883		
	Calcium (mg Ca/l)	2,24	23,9				22,2		
	Conductivity (µS/cm)	29,9	108					93,2	
	Temperature (°C)	3,9						5,2	
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
Free CO2 (mmol/l)									
Suspended solids (mg SS/l)									

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	Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continuous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continuous outlet pilot plant	Backwash water
13-Jan-95	Copper in standing water (mg Cu/l)							
	Waterflow (m3/h)	17			2			
16-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,36		2,55	12,9	0,07	0,08	0,87
	Color (mg Pt/l)	11,7	2,6			3,9	4,3	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,73	7,38	7,24	7,03	7,25	8,3	8,71
	Alkalinity (mekv/l)	0,101	0,742				0,841	
	Calcium (mg Ca/l)	2,94	18,1				17,7	
	Conductivity (µS/cm)	30,1	106					92,4
	Temperature (°C)	3,9						5,1
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	17				2			
17-Jan-95	Plate counts (per ml)	210					3	
	Coliforms (per 100 ml)	2					0	
	Fecal coliforms (per 100 ml)	2					0	
	Chlorine residual (mg Cl2/l)						0,06	
	Turbidity (NTU)	0,36	2,1	2,1	15,7	0,15	0,15	0,304
	Color (mg Pt/l)	12,1		5		4,6	5	
	COD-Mn (mg O/l)	2,93					1,64	
	TOC (mg C/l)							
	pH	6,78	7,48	7,45	7,19	7,38	8,4	8,93
	Alkalinity (mekv/l)	0,098	0,776				0,902	
	Calcium (mg Ca/l)	2,96	19,6				19,6	
	Conductivity (µS/cm)	30,1	106					91,3
	Temperature (°C)	3,9						5,2
	Aluminium (mg Al/l)	0,041				0,078	0,089	
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)	0,039	0,051					
Suspended solids (mg SS/l)			6,3					
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)								
18-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)							
	Turbidity (NTU)	0,34	2,2	2,2		0,075	0,1	0,169
	Color (mg Pt/l)	12,1		4,3		4,6	4	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,63	7,33	7,3	7,23	7,32	8,9	9,03
	Alkalinity (mekv/l)	0,1	0,728				0,909	
	Calcium (mg Ca/l)	2,96	18,5				19,5	
	Conductivity (µS/cm)	30,2	104					93,5
	Temperature (°C)	3,9						5,2
	Aluminium (mg Al/l)							
	Iron (mg Fe/l)							
	Free CO2 (mmol/l)							
Suspended solids (mg SS/l)								
Copper in standing water (mg Cu/l)								
Waterflow (m3/h)	17				2			
19-Jan-95	Plate counts (per ml)							
	Coliforms (per 100 ml)							
	Fecal coliforms (per 100 ml)							
	Chlorine residual (mg Cl2/l)						0,04	
	Turbidity (NTU)	0,3	2,2	2,15		0,075	0,08	0,066
	Color (mg Pt/l)	10,7		4,3		4,6	4,3	
	COD-Mn (mg O/l)							
	TOC (mg C/l)							
	pH	6,64	7,31	7,29	7,17	7,23	8,62	
	Alkalinity (mekv/l)	0,097	0,726				0,855	
	Calcium (mg Ca/l)	3,03	19,6				18,3	
	Conductivity (µS/cm)	28,6	103,6					90
	Temperature (°C)	3,9						5,2
	Aluminium (mg Al/l)							

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		Raw water	Outlet lime+CO2+ coag. addition	Outlet reaction tanks	Continous outlet reaction tanks	Outlet filter	Outlet pilot plant	Continous outlet pilot plant	Backwash water
19-Jan-95	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								
	Copper in standing water (mg Cu/l)								
	Waterflow (m3/h)	17				2			
20-Jan-95	Plate counts (per ml)								
	Coliforms (per 100 ml)								
	Fecal coliforms (per 100 ml)								
	Chlorine residual (mg Cl2/l)								
	Turbidity (NTU)	0,415	2,1	2,1		0,12	0,12	0,332	58
	Color (mg Pt/l)	11,7		3,9		4,3	4,6		
	COD-Mn (mg O/l)								
	TOC (mg C/l)								
	pH	6,79	7,38	7,34	7,11	7,27	8,77	8,89	7,59
	Alkalinity (mekv/l)								
	Calcium (mg Ca/l)	2,7	19,4				19,5		
	Conductivity (µS/cm)	28,3	103,8					90,8	
	Temperature (°C)							5,2	
	Aluminium (mg Al/l)								
	Iron (mg Fe/l)								
	Free CO2 (mmol/l)								
	Suspended solids (mg SS/l)								354
Copper in standing water (mg Cu/l)									
Waterflow (m3/h)	17					2			



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