



Fluoridation & Chlorination

WSSN 2310

Jun-17

D A T E	Fluoride Applied F mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l							
					Chlori ne App. Mg/l	Chlorine (prior to filtration) mg/L OCI	Post Chlorine mg/L	Sta II	Dort	3MG Well	Tap				
		Raw	Tap	Dist							Free	Free	Free	Free	
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
1		0.74		1.14				0.9						1.9	
2		0.76		1.14				0.9						1.7	
3		0.83		1.16				0.9						1.9	
4		0.78		1.18				1.0						2.0	
5		0.80		1.18				1.0						1.8	
6		0.77		1.22				0.9						2.0	
7		0.90		1.22				0.8						1.8	
8		0.82		1.06				0.9						1.8	
9		0.78		1.10				0.7						1.8	
10		0.77		1.21				0.8						1.9	
11		0.76		1.17				0.9						1.9	
12		0.80		1.16				0.9						1.8	
13		0.80		1.17				0.9						1.9	
14		0.79		1.19				1.0						1.9	
15		0.77		1.33				0.9						1.9	
16		0.80		1.25				0.9						1.9	
17		0.85		1.33				0.8						1.9	
18		0.79		1.39				0.9						2.0	
19		0.82		1.39				0.8						1.8	
20		0.81		1.33				0.9						2.0	
21		0.83		1.36				0.8						1.9	
22		0.88		1.37				0.9						1.9	
23		0.74		1.36				0.9						1.8	
24		0.71		1.27				0.8						1.7	
25		0.84		1.32				0.8						1.9	
26		0.87		1.37				0.8						1.8	
27		0.82		1.25				0.9						1.8	
28		0.72		1.24				0.9						1.9	
29		0.78		1.38				0.9						1.9	
30		0.86		1.44				0.9						1.9	
AVG		0.80		1.26				0.9						1.9	
MAX		0.90		1.44				1.0						2.0	
MIN		0.71		1.06				0.7						1.7	



Chemical Analyses WSSN 2310 Jun-17

D A T E	pH		Total Hardness as CaCO ₃ mg/l		Total Alkalinity as CaCO ₃ mg/l		NonCarbonate Hardness as CaCO ₃ mg/l		Iron mg/L		Calcium Ca ²⁺ mg/l		Magnesium as Mg ²⁺ mg/l		Chloride as Cl ⁻ mg/l	
	CSII	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap
	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
1	7.35	7.45		98		74		24		0.01		31.3		4.9		14
2	7.32	7.40		94		70		24		0.02		28.9		5.3		13
3	7.33	7.39		98		70		28		0.01		32.9		3.9		13
4	7.35	7.51		98		74		24		0.02		32.9		3.9		13
5	7.40	7.44		96		74		22		0.01		29.7		5.3		13
6	7.47	7.50		96		74		22		0.02		29.7		5.3		13
7	7.48	7.52		100		74		26		0.02		30.5		5.8		13
8	7.40	7.48		98		74		24		0.01		30.5		5.3		13
9	7.38	7.39		96		72		24		0.02		29.7		5.3		13
10	7.42	7.43		98		74		24		0.01		28.9		6.3		14
11	7.38	7.45		100		72		28		0.01		29.7		6.3		14
12	7.39	7.47		100		74		26		0.01		30.5		5.8		13
13	7.38	7.45		98		74		24		0.01		28.1		6.8		13
14	7.46	7.48		98		74		24		0.01		29.7		5.8		13
15	7.46	7.46		98		76		22		0.01		29.7		5.8		14
16	7.42	7.49		98		72		26		0.01		28.9		6.3		14
17	7.41	7.49		96		74		22		0.01		29.7		5.3		13
18	7.30	7.41		96		74		22		0.01		28.9		5.8		14
19	7.41	7.44		98		76		22		0.01		29.7		5.8		14
20	7.43	7.46		100		76		24		0.01		29.7		6.3		14
21	7.40	7.49		100		78		22		0.01		28.9		6.8		14
22	7.41	7.51		100		76		24		0.01		30.5		5.8		14
23	7.43	7.44		100		74		26		0.03		32.1		4.9		13
24	7.46	7.53		102		72		30		0.02		31.3		5.8		14
25	7.43	7.61		100		72		28		0.01		30.5		5.8		13
26	7.37	7.45		102		70		32		0.01		32.1		5.3		13
27	7.45	7.52		100		70		30		0.01		31.3		5.3		13
28	7.41	7.54		100		74		26		0.01		30.5		5.8		13
29	7.43	7.54		98		76		22		0.01		28.9		6.3		13
30	7.45	7.49		98		72		26		0.01		29.7		5.8		13
AVG	7.41	7.47		98		74		25		0.01		30.2		5.6		13
MAX	7.48	7.61		102		78		32		0.03		32.9		6.8		14.0
MIN	7.30	7.39		94		70		22		0.01		28.1		3.9		13.0



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Jun-17

D A T E	Total Coliform						Standard Plate Count	Conductivity (mS)	Temp deg.C	Color		Odor		
	Plant Tap									Raw	Tap	Raw	Tap	Raw
			Dort	3MG Well	Sta II	Lab Tap								
	60	61	62	63	64	65	66	67	68	69		71	72	73
1					2/0	2/0			0.21	10.7				
2					2/0	2/0			0.21	10.7				
3					2/0	2/0			0.22	10.8				
4					2/0	2/0			0.21	10.6				
5					2/0	2/0			0.21	11.6				
6					2/0	2/0			0.21	11.1				
7					2/0	2/0		<2	0.21	11.3				
8					2/0	2/0			0.21	11.6				
9					2/0	2/0			0.21	12.1				
10					2/0	2/0			0.21	13.1				
11					2/0	2/0			0.21	13.3				
12					2/0	2/0			0.22	13.8				
13					2/0	2/0		<2	0.22	14.4				
14					2/0	2/0			0.22	13.8				
15					2/0	2/0			0.21	13.3				
16					2/0	2/0			0.21	14.0				
17					2/0	2/0			0.21	14.3				
18					2/0	2/0			0.22	14.6				
19					2/0	2/0			0.23	14.2				
20					2/0	2/0		<2	0.23	14.3				
21					2/0	2/0			0.23	13.7				
22					2/0	2/0			0.23	13.8				
23					2/0	2/0			0.23	14.0				
24					2/0	2/0			0.23	13.6				
25					2/0	2/0			0.23	13.4				
26					2/0	2/0			0.23	13.3				
27					2/0	2/0		<2	0.23	12.8				
28					2/0	2/0			0.23	13.1				
29					2/0	2/0			0.23	13.2				
30					2/0	2/0			0.23	13.8				
AVG									0.22	12.9				
MAX									0.23	14.6				
MIN									0.21	10.6				



Distribution System Monitoring WSSN 2310

Jun-17

DATE	Free Chlorine Residual at Bacteriological Monitoring Stations mg/l																									Number of Samples					
	1	2	3	4	CS	6	7	8	9	10	WR**	12	13	14	15	16	17	18	19	20	21	22	23	24	25						
1							1.13	1.57	1.54	1.68									1.09					1.32		6					
2	1.30	1.30	1.44	1.28																1.43					1.30	6					
3																										0					
4																										0					
5	1.26	1.23	1.40	1.45	1.58	1.17															1.07					7					
6							1.41	1.52	1.06	1.58		1.46											1.24			6					
7													0.99	1.60	0.87	1.40	1.51	0.83						1.65		7					
8					1.40	1.05						1.59								1.23	1.42				1.14	6					
9													1.01	1.44	0.97	1.59	1.44	0.96								7					
10																										0					
11																										0					
12	1.32	1.30	1.50	1.36	1.38	1.26																0.89				7					
13							1.24	1.55	1.48	1.57		1.39											1.26			6					
14													1.30	1.63	1.11	1.47	1.49	0.78						1.52		7					
15							1.45	1.59	1.46	1.60										1.11	1.24				1.17	7					
16	1.30	1.06	1.38	1.52																0.77						6					
17																										0					
18																										0					
19	1.21	1.22	1.26	1.37	1.30	1.02																0.84				7					
20							1.34	1.71	1.03	1.57		1.46											1.05			6					
21													1.12	1.62	0.74	1.62	1.51	0.75						1.78		7					
22					1.52	0.45						1.44								0.42					1.11	5					
23													0.88	1.48	0.83	1.57	1.58	0.95								7					
24																										0					
25																										0					
26	1.22	1.24	1.26	1.29	1.62	0.70															1.23					7					
27							1.22	1.63	1.20	1.54		1.77											1.29			6					
28													0.91	1.48	0.88	1.65	1.54	1.14						1.67		7					
29							1.30	1.56	1.57	1.59										0.64					1.45	6					
30	1.27	1.16	1.38	1.40																1.02	1.33				1.00	7					
	Monthly Cl₂ Avg.				1.29																										
	Total Samples				143																										



Distribution System Monitoring

WSSN 2310

Jun-17

DATE	Total Chlorine Residual at Bacteriological Monitoring Stations mg/l																									Number of Samples				
	1	2	3	4	CS	6	7	8	9	10	WR**	12	13	14	15	16	17	18	19	20	21	22	23	24	25					
1							1.47	1.79	1.74	1.80									1.33					1.51		6				
2	1.39	1.38	1.57	1.58																1.57						1.44	6			
3																											0			
4																											0			
5	1.39	1.38	1.61	1.60	1.83	1.33																1.22					7			
6							1.51	1.79	1.22	1.76		1.64											1.45				6			
7													1.19	1.74	1.01	1.75	1.68	0.99						1.88			7			
8					1.51	1.38						1.71								1.36	1.54				1.42		6			
9													1.13	1.60	1.22	1.72	1.69	1.25								1.46	7			
10																											0			
11																											0			
12	1.45	1.48	1.71	1.61	1.55	1.41																1.03					7			
13							1.50	1.74	1.66	1.78		1.57											1.43				6			
14													1.44	1.73	1.28	1.60	1.60	0.94						1.67			7			
15							1.53	1.72	1.64	1.71										1.24	1.35				1.32		7			
16	1.46	1.31	1.72	1.73																0.92						1.62	6			
17																											0			
18																											0			
19	1.38	1.32	1.50	1.51	1.46	1.22																1.03					7			
20							1.48	1.80	1.23	1.73		1.69											1.20				6			
21													1.25	1.80	0.97	1.72	1.61	0.91						1.95			7			
22					1.69	0.70						1.54								0.57					1.40		5			
23													1.07	1.68	1.15	1.76	1.71	1.18								1.15	7			
24																											0			
25																											0			
26	1.45	1.32	1.55	1.51	1.81	0.92															1.40						7			
27							1.33	1.76	1.34	1.72		1.86											1.45				6			
28													1.13	1.62	1.27	1.77	1.65	1.24						1.90			7			
29							1.43	1.77	1.66	1.71										0.92					1.53		6			
30	1.41	1.28	1.50	1.52																1.16	1.46					1.17	7			
Monthly Cl₂ Avg.				1.47																										
Total Samples				143																										



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Jun-17

Total number of positive routine samples:				Total Coliform: <u>0</u>			E.coli Bacteria: <u>0</u>		Chlorine Residual (mg/L)	
Date	Monitoring Station	Total Coliform	E.coli Bacteria	Date	Time	Retest of Station, Upstream & Downstream	Total Coliform	E.coli Bacteria	Free	Total
Total number of routine distribution samples analyzed:				143						
Total number of routine distribution samples required:				100						