



Fluoridation & Chlorination

WSSN 2310

Aug-16

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	28
1			0.85		1.11				0.7						1.5	
2			0.83		1.12				0.7						1.5	
3			0.81		1.12				0.7						1.3	
4			0.81		1.11				0.6						1.3	
5			0.84		1.04				0.6						1.4	
6			0.78		0.93				0.7						1.5	
7			0.79		0.93				0.8						1.5	
8			0.77		0.88				0.8						1.4	
9			0.79		0.85				0.7						1.4	
10			0.81		0.84				0.7						1.5	
11			0.80		0.86				0.7						1.4	
12			0.76		0.91				0.8						1.4	
13			0.80		0.90				0.7						1.4	
14			0.83		0.93				0.6						1.3	
15			0.82		0.91				0.7						1.3	
16			0.81		0.89				0.7						1.3	
17			0.82		0.93				0.6						1.3	
18			0.86		0.91				0.8						1.4	
19			0.84		0.87				0.8						1.4	
20			0.88		0.89				0.7						1.2	
21			0.84		0.90				0.7						1.4	
22			0.87		0.94				0.8						1.5	
23			0.86		0.92				0.7						1.4	
24			0.86		0.90				0.7						1.4	
25			0.85		1.01				0.7						1.4	
26			0.81		0.98				0.8						1.5	
27			0.80		1.01				0.9						1.5	
28			0.80		0.82				0.9						1.6	
29			0.80		0.86				0.8						1.4	
30			0.78		0.84				0.7						1.3	
31																
AVG			0.82		0.94				0.7						1.4	
MAX			0.88		1.12				0.9						1.6	
MIN			0.76		0.82				0.6						1.2	



Chemical Analyses

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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	7.41	7.35		98		72		26		0.03		34.5		2.9		14
2	7.45	7.35		98		72		26		0.01		32.1		4.4		13
3	7.41	7.30		102		72		30		0.01		34.5		3.9		13
4	7.49	7.32		100		70		30		0.01		32.9		4.4		13
5	7.40	7.29		100		70		30		0.01		33.7		3.9		13
6	7.48	7.30		102		72		30		0.01		33.7		4.4		13
7	7.49	7.30		100		70		30		0.01		32.9		4.4		13
8	7.53	7.34		100		74		26		0.01		30.5		6.3		13
9	7.53	7.29		100		70		30		0.01		32.9		4.4		13
10	7.37	7.25		102		74		28		0.01		34.5		3.9		13
11	7.33	7.20		102		72		30		0.01		32.9		4.9		13
12	7.31	7.25		104		70		34		0.01		32.9		5.3		13
13	7.47	7.30		102		70		32		0.01		33.7		4.4		13
14	7.46	7.34		104		72		32		0.01		34.5		4.4		12
15	7.44	7.32		100		70		30		0.01		33.7		3.9		13
16	7.53	7.36		100		72		28		0.01		34.5		3.4		13
17	7.51	7.35		100		74		26		0.01		34.5		3.4		12
18	7.44	7.33		100		70		30		0.01		34.5		3.4		13
19	7.45	7.32		102		72		30		0.01		34.5		3.9		13
20	7.49	7.42		100		72		28		0.01		30.5		5.8		13
21	7.45	7.33		100		70		30		0.01		34.5		3.4		13
22	7.52	7.44		100		70		30		0.01		35.3		2.9		13
23	7.45	7.35		100		72		28		0.01		34.5		3.4		13
24	7.53	7.36		100		74		26		0.01		34.5		3.4		13
25	7.52	7.37		100		70		30		0.01		34.5		3.4		13
26	7.53	7.41		104		72		32		0.01		34.5		4.4		13
27	7.55	7.38		100		74		26		0.01		34.5		3.4		13
28	7.47	7.37		102		74		28		0.01		33.7		4.4		13
29	7.55	7.39		102		70		32		0		34.5		3.9		13
30	7.56	7.36		100		70		30		0.01		34.5		3.4		13
31								0								
AVG	7.47	7.33		101		72		28		0.01		33.8		4.1		13
MAX	7.56	7.44		104		74		34		0.03		35.3		6.3		14.0
MIN	7.31	7.20		98		70		0		0.00		30.5		2.9		12.0



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D A T E	Total Coliform						Standard Plate Count	Conductivity (mS)	Temp deg.C	Color		Odor			
	Plant Tap									Raw	Tap	Raw	Tap	Raw	Tap
			Dort	3MG Well	Sta II	Lab Tap									
	60	61	62	63	64	65				66	67	68	69		71
1									0.21	19.9					
2									0.21	21.1					
3									0.21	21.6					
4									0.21	21.9					
5									0.21	22.1					
6									0.21	22.4					
7									0.21	22.3					
8									0.21	20.4					
9									0.21	19.9					
10									0.21	21.6					
11									0.21	22.3					
12									0.21	22.9					
13									0.21	22.9					
14									0.21	21.9					
15									0.21	19.9					
16									0.21	19.3					
17									0.20	19.0					
18									0.21	19.2					
19									0.21	19.5					
20									0.21	19.8					
21									0.21	19.4					
22									0.21	19.6					
23									0.21	19.1					
24									0.21	18.8					
25									0.21	18.2					
26									0.21	17.8					
27									0.21	17.2					
28									0.21	17.2					
29									0.21	16.7					
30									0.21	16.9					
31															
AVG									0.21	20.0					
MAX									0.21	22.9					
MIN									0.20	16.7					



Distribution System Monitoring WSSN 2310 Aug-16

D A T E	Free Chlorine Residual at Bacteriological Monitoring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WR	Number of Samples
1											0
2	1.36	1.25	1.17	0.95	0.56	0.43	1.04	1.15	1.19	1.53	10
3	1.27	1.12	1.15	0.98	0.84	0.51	1.12	1.39	1.56	1.42	10
4	1.32	1.10	1.18	1.01	0.94	0.56	1.19	1.28	0.90	1.24	10
5											0
6											0
7											0
8											0
9	1.20	1.14	1.26	1.04	0.72	0.36	0.99	1.21	1.02	1.43	10
10	1.22	1.26	1.06	0.92	1.05	0.49	0.93	1.11	0.89	1.55	10
11	1.11	0.98	1.15	0.91	0.76	0.40	1.06	1.27	0.98	1.12	10
12											0
13											0
14											0
15											0
16	1.12	1.02	1.08	1.04	0.94	0.28	1.17	1.14	1.08	1.22	10
17	1.27	1.12	1.08	0.91	0.74	0.21	1.14	1.14	1.29	1.76	10
18	1.22	1.12	1.14	0.98	0.87	0.34	1.26	1.25	1.05	1.44	10
19											0
20											0
21											0
22											0
23	1.12	1.06	1.14	0.96	0.82	0.17	1.26	1.05	0.81	1.34	10
24	1.14	1.20	1.13	0.96	1.01	0.63	1.13	1.10	1.03	1.43	10
25	1.18	1.14	1.12	0.83	0.71	0.20	1.08	1.17	1.00	1.39	10
26											0
27											0
28											0
29											0
30	1.32	1.24	1.30	1.01	0.93	0.26	1.42	1.28	1.45	1.43	10
31											0
Monthly Cl₂ Avg.				1.051							
Total Samples				130							



Distribution System Monitoring WSSN 2310 Aug-16

D A T E	Total Chlorine Residual at Bacteriological Monitoring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WR	Number of Samples
1											0
2	1.43	1.39	1.32	1.12	0.65	0.56	1.21	1.44	1.36	1.61	10
3	1.37	1.33	1.31	1.07	0.98	0.64	1.30	1.56	1.78	1.61	10
4	1.46	1.41	1.34	1.14	1.01	0.63	1.33	1.45	1.14	1.46	10
5											0
6											0
7											0
8											0
9	1.45	1.39	1.43	1.17	0.97	0.45	1.15	1.46	1.21	1.56	10
10	1.43	1.37	1.19	1.14	1.21	0.68	1.11	1.35	1.18	1.62	10
11	1.30	1.18	1.28	1.01	0.81	0.47	1.16	1.48	1.15	1.55	10
12											0
13											0
14											0
15											0
16	1.28	1.29	1.34	1.14	1.13	0.39	1.35	1.20	1.14	1.48	10
17	1.35	1.31	1.32	1.17	1.03	0.32	1.29	1.27	1.43	1.90	10
18	1.38	1.31	1.34	1.15	0.95	0.44	1.39	1.42	1.11	1.75	10
19											0
20											0
21											0
22											0
23	1.37	1.28	1.37	1.13	0.94	0.29	1.42	1.32	1.16	1.46	10
24	1.47	1.33	1.34	1.13	1.31	0.77	1.41	1.25	1.18	1.65	10
25	1.36	1.36	1.31	1.16	1.04	0.32	1.38	1.42	1.33	1.57	10
26											0
27											0
28											0
29											0
30	1.53	1.44	1.49	1.27	1.07	0.38	1.53	1.51	1.60	1.56	10
31											0
Monthly Cl₂ Avg.				1.230							
Total Samples				130							



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Aug-16

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:				130						
Total number of routine distribution samples required:				100						