



Fluoridation & Chlorination

WSSN 2310

Sep-19

D A T E	Fluoride Applied F mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l								
		Raw	Tap	Dist	Chlori ne App. Mg/l	Chlorine (prior to filtration) mg/L OCl ⁻	Post Chlorine mg/L		Sta II Free	Dort Free	3MG Well Free			Tap		
														Free	Free	
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		0.73	0.72		1.39				0.9						1.7	
2		0.71	0.71		1.35				0.9						1.7	
3		0.63	0.62		1.22				0.9						1.7	
4		0.59	0.63		1.33				0.9						1.7	
5		0.66	0.69		1.33				0.8						1.6	
6		0.66	0.66		1.41				0.9						1.6	
7		0.68	0.69		1.40				1.0						1.7	
8		0.72	0.71		1.35				0.8						1.6	
9		0.71	0.74		1.37				0.9						1.6	
10		0.90	0.89		1.30				1.0						1.7	
11		0.71	0.73		1.15				0.9						1.7	
12		0.70	0.69		1.18				0.9						1.6	
13		0.58	0.59		1.21				0.8						1.6	
14		0.56	0.66		1.26				0.8						1.6	
15		0.59	0.64		1.18				0.9						1.6	
16		0.67	0.65		1.21				0.9						1.6	
17		0.64	0.63		1.37				0.8						1.6	
18		0.72	0.69		1.39				0.8						1.7	
19		0.63	0.64		1.32				0.9						1.7	
20		0.62	0.63		1.25				0.8						1.7	
21		0.64	0.63		1.20				0.9						1.7	
22		0.65	0.65		1.27				0.9						1.7	
23		0.66	0.66		1.17				1.1						1.7	
24		0.59	0.61		1.11				0.9						1.7	
25		0.63	0.60		1.04				1.0						1.7	
26		0.70	0.71		1.14				0.7						1.7	
27		0.64	0.66		1.12				1.0						1.7	
28		0.79	0.79		1.08				1.0						1.6	
29		0.70	0.76		1.17				1.0						1.6	
30		0.64	0.64		1.22				1.0						1.7	
AVG			0.68		1.25				0.9						1.7	
MAX			0.89		1.41				1.1						1.7	
MIN			0.59		1.04				0.7						1.6	



Chemical Analyses WSSN 2310 Sep-19

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	38.00	39	40	41	42	43	44
1	7.21	7.38		104		82		34	0.01	0.01		28.1		8.3		16
2	7.24	7.38		100		86		28	0.0	0.00		28.9		6.8		16
3	7.26	7.53	102	100	80	82	30	30	0	0.02	28.9	28.1	7.3	7.3	16	16
4	7.27	7.71		100		84		30	0	0.02		28.1		7.3		16
5	7.23	7.40		104		84		36	0.02	0.01		27.3		8.7		15
6	7.39	7.48		106		82		38	0.02	0.03		27.3		9.2		15
7	7.24	7.57		104		84		34	0.01	0.01		28.1		8.3		16
8	7.37	7.62		104		82		36	0.01	0.01		27.3		8.7		16
9	7.56	7.64		102		86		32	0.02	0.03		28.1		7.8		15
10	7.22	7.57	100	102	80	80	30	30	0.01	0.02	28.1	28.9	7.3	7.3	15	16
11	7.25	7.48		104		80		32	0.01	0.01		28.9		7.8		15
12	7.65	7.69		102		82		30	0.01	0.00		28.9		7.3		16
13	7.21	7.44		106		86		32	0	0.00		29.7		7.8		16
14	7.23	7.65		102		82		32	0.01	0.00		28.1		7.8		16
15	7.22	7.48		102		84		30	0.03	0.02		28.9		7.3		16
16	7.27	7.35		102		82		30	0	0.02		28.9		7.3		16
17	7.27	7.63	104	104	82	84	32	32	0.02	0.00	28.9	28.9	7.8	7.8	16	16
18	7.42	7.71		102		84		30	0	0.01		28.9		7.3		17
19	7.28	7.56		102		84		32	0.01	0.00		28.1		7.8		16
20	7.21	7.42		106		84		36	0.01	0.00		28.1		8.7		16
21	7.54	7.65		104		82		32	0.02	0.02		28.9		7.8		16
22	7.37	7.58		104		82		34	0	0.02		28.1		8.3		15
23	7.21	7.46		102		82		30	0.02	0.02		28.9		7.3		15
24	7.40	7.51	100	100	82	86	32	32	0.02	0.01	27.3	27.3	7.8	7.8	15	16
25	7.22	7.51		100		86		30	0	0.00		28.1		7.3		16
26	7.38	7.45		102		80		29	0.01	0.03		32.1		7.05		16
27	7.44	7.52		100		86		30	0.01	0.01		28.1		7.3		15
28	7.46	7.65		102		86		30	0	0.02		28.9		7.3		18
29	7.22	7.48		102		86		30	0.02	0.02		28.9		7.3		16
30	7.22	7.52		102		86		30	0.02	0.01		28.9		7.3		17
AVG	7.32	7.53		103		84		32		0.01		28.5		7.7		16
MAX	7.65	7.71		106		86		38		0.03		32.1		9.2		18.0
MIN	7.21	7.35		100		80		28		0.00		27.3		6.8		15.0



WSSN 2310

Sep-19

D A T E	Total Coliform						66	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									
1						2/0			0.24	20.5					
2						2/0			0.24	19.6					
3						2/0			0.23	18.4					
4						2/0			0.24	17.7					
5						2/0			0.23	17.4					
6						2/0			0.23	17.8					
7						2/0			0.23	17.4					
8						2/0			0.23	16.9					
9						2/0			0.23	17.0					
10						2/0			0.23	16.0					
11						2/0			0.23	16.5					
12						2/0			0.24	18.7					
13						2/0			0.24	17.5					
14						2/0			0.24	17.9					
15						2/0			0.24	18.8					
16						2/0			0.24	18.5					
17						2/0			0.24	18.9					
18						2/0			0.24	18.7					
19						2/0			0.23	18.9					
20						2/0			0.23	18.1					
21						2/0			0.23	17.3					
22						2/0			0.23	16.8					
23						2/0			0.23	16.6					
24						2/0			0.23	16.2					
25						2/0			0.23	15.8					
26						2/0			0.24	15.5					
27						2/0			0.24	15.8					
28						2/0			0.23	15.7					
29						2/0			0.23	15.1					
30						2/0			0.23	15.2					
AVG									0.23	17.4					
MAX									0.24	20.5					
MIN									0.23	15.1					



Distribution System Monitoring WSSN 2310

Sep-19

DATE	Free Chlorine Residual at Bacteriological Monitoring Stations mg/l																									Chlorine only sites 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	26	27	28	29	30	21	22	23	24	25		
1																																0
2	0.97			1.28	1.35																										3	
3							1.24	1.66	0.91	1.47	1.25	0.69									1.17						1.06			8		
4													1.32	1.19	1.10	1.47	0.98	0.84					1.44							7		
5	0.72		1.35	1.33	1.88															0.87		1.59						1.20		7		
6												0.82			1.44	1.50		1.10							1.55				0.94	6		
7																														0		
8																														0		
9	1.00	1.58		1.30	1.41	1.44																		1.26		1.10				7		
10							0.73	1.32	0.97	1.38	0.97	0.38									1.00						0.72			8		
11													1.43	1.25	1.47	1.60	0.99	1.02						1.54			1.71			8		
12	0.92		1.11	1.20	1.58															0.79		1.53							6			
13												0.76			1.35	1.49		0.91							1.51				0.93	6		
14																														0		
15																														0		
16	1.13	1.33		1.17	1.49	1.04																		1.20		0.89				7		
17							1.43	0.88	1.30	1.28	0.32										0.46					1.04				7		
18													1.05	0.49	1.22	1.27	0.65	0.42						1.28			1.39			8		
19	1.06		1.24	1.22	1.54																0.89		1.55							6		
20												0.78			1.44	1.60		1.13								1.61			0.91	6		
21																														0		
22																														0		
23	1.15	1.50		1.31	1.75	1.17																		0.72						6		
24							1.18	1.60	1.17	1.48	1.03	0.43									0.36					1.06				8		
25													1.43	1.24	1.39	1.56	0.72	1.29						1.47			1.76			8		
26	0.87			1.25	1.81									1.47	1.56		1.15													6		
27																														0		
28																														0		
29																														0		
30	1.12	1.49		1.18	1.59	1.33																		0.68		0.96				7		
Monthly Cl₂ Avg.				1.19																												
Total Samples				121																												



Distribution System Monitoring

WSSN 2310

Sep-19

DATE	Total Chlorine Residual at Bacteriological Monitoring Stations mg/l																														Chlorine only sites 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	26	27	28	29	30	21	22	23	24	25						
1																															0					
2	1.18			1.47	1.82																										3					
3							1.36	1.79	1.10	1.70	1.46	0.69										1.37						1.19		8						
4														1.61	1.34	1.57	1.73	1.16	1.13					1.68						7						
5	0.83		1.45	1.48	2.04															1.08		1.75						1.32		7						
6													1.01		1.58	1.63		1.22							1.69				1.07	6						
7																														0						
8																														0						
9	1.13	1.74		1.48	1.57	1.60																	1.47			1.35				7						
10							1.22	1.79	1.25	1.63	1.25	0.65										1.31				1.07				8						
11														1.62	1.39	1.62	1.75	1.18	1.18					1.71			1.88			8						
12	1.15		1.47	1.42	1.82															1.06		1.74							6							
13													0.97		1.50	1.73		1.17							1.79			1.06	6							
14																														0						
15																														0						
16	1.32	1.60		1.39	1.69	1.26																	1.48			1.16				7						
17							1.65	1.07	1.54	1.40	0.66										0.68					1.28			7							
18														1.43	0.84	1.46	1.44	0.95	0.78					1.60			1.83		8							
19	1.18		1.33	1.41	1.70															1.00		1.88							6							
20													1.02		1.55	1.71		1.41							1.75			1.07	6							
21																													0							
22																													0							
23	1.28	1.69		1.48	1.94	1.48																	1.46						6							
24							1.40	1.72	1.34	1.61	1.14	0.64									0.48					1.22			8							
25														1.59	1.44	1.59	1.79	1.28	1.43					1.64			1.86		8							
26	1.20			1.42	1.92										1.59	1.79		1.23											6							
27																													0							
28																													0							
29																													0							
30	1.21	1.69		1.45	1.76	1.61																	0.89			1.24			7							
Monthly Cl₂ Avg.				1.41																																
Total Samples				121																																

