



Fluoridation & Chlorination

WSSN 2310

Dec-18

D A T E	Fluoride Applied F mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l								
		Raw	Tap	Dist	Chlorine App. Mg/l	Chlorine (prior to filtration) mg/L OCl ⁻	Post Chlorine mg/L	Sta II	Dort	3MG Well	Tap					
											Free	Free	Free			
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		0.71	0.71		1.14				1.0						1.6	
2		0.65	0.71		1.02				1.0						1.7	
3		0.64	0.70		1.09				1.1						1.7	
4		0.74	0.77		1.08				1.1						1.7	
5		0.64	0.67		0.82				1.1						1.6	
6		0.57	0.54		1.02				1.1						1.4	
7		0.60	0.70		0.96				1.1						1.6	
8		0.65	0.70		1.00				1.1						1.6	
9		0.61	0.60		0.96				1.1						1.6	
10		0.64	0.67		0.95				1.1						1.6	
11		0.62	0.65		1.03				1.0						1.7	
12		0.60	0.68		0.98				1.1						1.8	
13		0.68	0.69		0.89				1.1						1.6	
14		0.71	0.72		0.86				1.1						1.6	
15		0.71	0.72		0.88				1.1						1.7	
16		0.71	0.72		0.97				1.1						1.7	
17		0.71	0.71		1.02				1.1						1.7	
18		0.72	0.72		1.03				1.1						1.8	
19		0.70	0.70		0.99				1.2						1.8	
20		0.66	0.69		0.99				1.1						1.7	
21		0.60	0.61		0.96				1.1						1.8	
22		0.58	0.57		1.09				1.1						1.8	
23		0.56	0.62		0.96				1.1						1.8	
24		0.65	0.69		0.95				1.1						1.7	
25		0.66	0.61		1.01				1.1						1.8	
26		0.73	0.69		1.12				1.1						1.8	
27		0.66	0.69		1.02				1.1						1.7	
28		0.76	0.77		1.13				1.0						1.8	
29		0.66	0.64		1.14				1.0						1.7	
30		0.57	0.63		1.13				1.1						1.7	
31		0.65	0.70		1.17				1.1						1.6	
AVG			0.68		1.01				1.1						1.7	
MAX			0.77		1.17				1.2						1.8	
MIN			0.54		0.82				1.0						1.4	



Chemical Analyses WSSN 2310 Dec-18

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	7.49	7.57		100		82		32	0.01	0.02		27.3		7.8		16
2	7.32	7.54		106		82		36	0.0	0.01		28.1		8.7		13
3	7.47	7.52		100		82		32	0.01	0.02		27.3		7.8		15
4	7.38	7.43	100	100	82	80	30	32	0	0.04	28.1	27.3	7.29	7.8	14	16
5	7.38	7.38		102		78		34	0.01	0.01		27.3		8.3		16
6	7.44	7.48		100		82		30	0.01	0.01		28.1		7.3		14
7	7.42	7.43		102		82		30	0.02	0.02		28.9		7.3		15
8	7.47	7.49		102		100		30	0.01	0.02		28.9		7.3		16
9	7.36	7.61		106		80		36	0.01	0.02		28.1		8.7		14
10	7.41	7.58		104		84		32	0.01	0.02		28.9		7.8		14
11	7.31	7.57	102	100	80	82	32	28	0.01	0.02	28.1	28.9	7.8	6.8	14	14
12	7.42	7.51		98		82		30	0.01	0.02		27.3		7.3		16
13	7.40	7.46		100		82		30	0.02	0.02		28.1		7.3		14
14	7.41	7.47		102		80		32	0.01	0.00		28.1		7.8		17
15	7.27	7.45		102		80		32	0.02	0.02		28.1		7.8		14
16	7.40	7.61		102		80		30	0.02	0.01		28.9		7.3		16
17	7.30	7.35		102		80		32	0.02	0.02		28.1		7.8		16
18	7.33	7.49	100	100	82	80	30	30	0.02	0.02	28.1	28.1	7.29	7.3	15	15
19	7.35	7.48		100		82		30	0.02	0.01		28.1		7.3		16
20	7.40	7.60		104		82		36	0.03	0.02		27.3		8.7		13
21	7.41	7.58		104		82		34	0.01	0.02		28.1		8.3		15
22	7.38	7.56		102		80		32	0	0.03		28.1		7.8		13
23	7.32	7.56		104		82		34	0.02	0.02		28.1		8.3		14
24	7.32	7.49		104		82		34	0	0.01		28.1		8.3		14
25	7.36	7.49	102	102	80	80	32	30	0.02	0.02	28.1	28.1	7.8	7.3	15	15
26	7.42	7.40		102		80		32	0.02	0.03		28.1		7.8		16
27	7.32	7.55		106		80		36	0	0.02		28.1		8.7		15
28	7.24	7.56		104		82		34	0.02	0.02		28.1		8.3		14
29	7.24	7.57		106		84		36	0.01	0.01		28.1		8.7		14
30	7.39	7.55		96		82		26	0.01	0.02		28.1		6.3		13
31	7.35	7.55	104	104	78	82	34	34	0.01	0.01	28.1	28.1	8.3	8.3	13	14
AVG	7.37	7.51		102		82		32		0.02		28.1		7.8		15
MAX	7.49	7.61		106		100		36		0.04		28.9		8.7		17.0
MIN	7.24	7.35		96		78		26		0.00		27.3		6.3		13.0



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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			0.22	10.9					
2						2/0			0.23	11.3					
3						2/0			0.22	10.7					
4						2/0			0.23	10.4					
5						2/0			0.22	10.6					
6						2/0			0.21	10.5					
7						2/0			0.20	9.1					
8						2/0			0.18	12.0					
9						2/0			0.23	11.3					
10						2/0			0.23	11.1					
11						2/0			0.23	10.7					
12						2/0			0.23	11.7					
13						2/0			0.21	11.1					
14						2/0			0.23	11.1					
15						2/0			0.24	10.9					
16						2/0			0.21	10.5					
17						2/0			0.19	10.3					
18						2/0			0.23	9.4					
19						2/0			0.23	10.7					
20						2/0			0.23	10.7					
21						2/0			0.23	10.8					
22						2/0			0.23	9.8					
23						2/0			0.23	10.2					
24						2/0			0.23	10.3					
25						2/0			0.22	9.7					
26						2/0			0.23	10.4					
27						2/0			0.23	10.2					
28						2/0			0.23	10.2					
29						2/0			0.23	9.2					
30						2/0			0.24	8.4					
31						2/0			0.23	9.3					
AVG									0.22	10.4					
MAX									0.24	12.0					
MIN									0.18	8.4					



Distribution System Monitoring WSSN 2310

Dec-18

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												1.07																				1			
3	1.22	1.66	1.54	1.59	1.77	1.26																		1.51			1.23					8			
4							1.41	1.44	1.39	1.42			0.64									1.29						1.33				7			
5														1.66	1.23	1.54	1.14	1.35	0.68					1.62				1.44				8			
6	1.36	1.62	1.35	1.33	1.41															0.98		1.72							1.37			8			
7										1.31						1.55	1.52	1.28	0.55							1.72				0.51		7			
8																																0			
9												1.26																				1			
10	1.49		1.55	0.95	1.71	1.38																		1.48			1.14					7			
11							1.46	1.64	1.61	1.55	1.58		1.13									1.42					1.47					8			
12														1.24	1.47	1.37	1.14	0.78						1.59				1.53				7			
13	1.32	1.44	1.28	1.32	1.41									1.33									1.60						1.26			8			
14															1.53	1.65	1.29	0.96						1.54						1.33		6			
15																																	0		
16												1.09																					1		
17	1.26	1.59	1.51	1.21	1.59	1.53															1.21			1.55			1.42					9			
18							1.47	1.56	1.62	1.60	1.47		1.17									1.28						1.39					8		
19														1.44	1.21	1.59	1.57	1.29	1.11						1.69				1.60				8		
20	1.42		1.61	1.59	1.91											1.71	1.69	1.44	1.22				1.78						1.58			6			
21																										1.75				1.60			6		
22																																	0		
23												1.67																					1		
24	1.63			0.99	1.94			1.75	1.32		1.70		1.29																				7		
25																																	0		
26						1.32				1.65				1.69	1.10	1.50	1.59	1.51				1.58		1.61				1.31	1.59			11			
27	1.49	1.83	1.60	1.55	1.85		1.58													1.39		1.84		1.70		1.40			1.38			11			
28																1.61	1.83	1.42												1.42			5		
29																																	0		
30																																	0		
31	1.46		1.58	1.56	1.89			1.68	1.29	1.76	1.60		1.54		1.18										1.72		1.42					12			
Monthly Cl₂ Avg.					1.45																														
Total Samples					140																														



Distribution System Monitoring

WSSN 2310

Dec-18

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												1.19																				1				
3	1.46	1.91	1.72	1.81	2.05	1.68																		1.75			1.58					8				
4							1.60	1.69	1.59	1.77			1.20									1.45						1.58				7				
5														1.87	1.37	1.68	1.67	1.48	0.83							1.87					8					
6	1.58	1.87	1.71	1.62	1.70															1.08		1.94							1.59		8					
7										1.69						1.77	1.71	1.54	0.74								1.89			1.44	7					
8																																0				
9												1.26																				1				
10	1.49		1.55	0.95	1.71	1.38																		1.48			1.14				7					
11							1.46	1.64	1.61	1.55	1.58		1.13									1.42					1.47				8					
12															1.24	1.47	1.37	1.14	0.78						1.59				1.53		7					
13	1.55	1.80	1.67	1.72	2.04									1.71										1.96					1.61		8					
14																1.72	1.87	1.53	1.16							1.70				1.44	6					
15																																0				
16												1.31																				1				
17	1.44	1.92	1.69	1.76	1.97	1.79															1.31				1.85		1.63				9					
18							1.59	1.89	1.88	1.91	1.78		1.31									1.53					1.60				8					
19														1.86	1.49	1.84	1.88	1.57	1.27						1.98			1.96			8					
20	1.56		1.82	1.73	2.04																		1.90						1.73		6					
21																1.86	1.87	1.62	1.39							1.90				1.70	6					
22																																0				
23												1.87																				1				
24	1.75			1.20	2.07			1.92	1.46	1.87		1.42																			7					
25																																0				
26						1.47				1.80				1.86	1.37	1.75	1.88	1.68				1.76		1.77			1.49	1.74			11					
27	1.63	2.02	1.72	1.77	2.07		1.75													1.51		2.00		1.95		1.60			1.69		11					
28																1.76	1.93	1.58												1.51	5					
29																																0				
30																																0				
31	1.66		1.79	1.68	1.99			1.88	1.43	1.90	1.73		1.81		1.42											1.93					12					
Monthly Cl₂ Avg.				1.65																																
Total Samples				140																																



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Dec-18

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:				140						
Total number of routine distribution samples required:				100						