



Fluoridation & Chlorination

WSSN 2310

Feb-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	Chlori ne App. Mg/l	Chlorine (prior to filtration) mg/L OCl ⁻	Post Chlorine mg/L	Sta II	Dort	3MG Well	Tap					
								Free	Free	Free		Free				
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		0.72	0.74		1.03				1.2						1.7	
2		0.69	0.70		1.04				1.2						1.9	
3		0.70	0.70		0.88				1.1						1.6	
4		0.69	0.70		0.83				1.2						1.7	
5		0.69	0.70		0.93				1.2						1.8	
6		0.70	0.67		1.21				1.1						1.8	
7		0.71	0.71		1.09				1.1						1.9	
8		0.70	0.70		1.01				1.1						1.9	
9		0.69	0.69		1.01				1.2						1.8	
10		0.67	0.69		0.99				1.1						1.8	
11		0.69	0.70		0.88				1.1						1.6	
12		0.69	0.66		0.93				1.1						1.8	
13		0.76	0.77		0.99				1.0						1.8	
14		0.80	0.80		0.91				1.0						1.7	
15		0.79	0.79		0.96				1.1						1.7	
16		0.72	0.72		0.96				1.1						1.5	
17		0.72	0.72		1.01				1.2						1.7	
18		0.73	0.73		1.00				1.1						1.9	
19		0.73	0.73		1.12				1.3						1.6	
20		0.71	0.70		1.09				0.9						1.5	
21		0.73	0.74		0.90				1.2						1.9	
22		0.73	0.74		0.84				1.1						1.7	
23		0.74	0.74		0.83				1.2						1.7	
24		0.75	0.76		0.99				0.9						1.7	
25		0.75	0.74		1.01				1.2						1.8	
26		0.74	0.74		1.01				1.1						1.6	
27		0.76	0.76		1.00				1.2						1.8	
28		0.74	0.75		0.96				1.2						1.9	
29																
30																
31																
AVG			0.72		0.98				1.1						1.7	
MAX			0.80		1.21				1.3						1.9	
MIN			0.66		0.83				0.9						1.5	



Chemical Analyses WSSN 2310 Feb-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	7.34	7.45		92		88		28	0	0.00		25.7		6.8		15
2	7.23	7.51		96		82		30	0.0	0.01		26.5		7.3		15
3	7.18	7.52		92		76		30	0	0.00		24.8		7.3		14
4	7.21	7.44		94		70		26	0.01	0.01		27.3		6.3		14
5	7.50	7.72		96		72		24	0.04	0.03		28.9		5.8		17
6	7.20	7.48	100	100	76	80	30	30	0.01	0.02	28.1	28.1	7.3	7.3	13	15
7	7.16	7.37		100		78		28	0.01	0.01		28.9		6.8		15
8	7.17	7.51		102		80		26	0.01	0.01		30.5		6.3		15
9	7.35	7.50		102		82		30	0.01	0.01		28.9		7.3		15
10	7.39	7.49		100		80		28	0.00	0.00		28.9		6.8		15
11	7.40	7.63		98		78		28	0.01	0.01		28.1		6.8		15
12	7.22	7.37		104		78		32	0.01	0.00		28.4		7.8		15
13	7.32	7.47	104	104	80	86	32	32	0.01	0.01	28.9	28.9	7.8	7.8	15	15
14	7.19	7.44		104		86		32	0.00	0.00		28.9		7.8		15
15	7.13	7.46		106		76		32	0.02	0.00		29.7		7.8		15
16	7.14	7.41		102		82		28	0.01	0.00		29.7		6.8		15
17	7.17	7.56		104		82		32	0.01	0.01		28.9		7.8		15
18	7.16	7.32		100		80		28	0	0.01		28.9		7.8		13
19	7.18	7.42		102		82		28	0.02	0.00		29.7		6.8		15
20	7.14	7.48	104	104	80	82	32	32	0	0.02	28.9	28.9	7.8	7.8	16	15
21	7.14	7.60		102		82		30	0.01	0.01		28.9		7.3		15
22	7.12	7.62		102		84		32	0.01	0.02		28.1		7.8		15
23	7.26	7.54		100		80		26	0.01	0.01		29.7		6.3		15
24	7.12	7.44		102		80		30	0.01	0.01		28.9		7.3		15
25	7.33	7.50		98		74		28	0.01	0.01		28.1		6.8		16
26	7.15	7.43		100		80		28	0.02	0.02		28.9		6.8		15
27	7.28	7.57	102	96	76	80	24	34	0.01	0.00	27.3	28.9	5.8	8.3	13	13
28	7.18	7.39		104		78		32	0.01	0.01		28.9		7.8		15
29																
30																
31																
AVG	7.23	7.49		100		80		29		0.01		28.5		7.2		15
MAX	7.50	7.72		106		88		34		0.03		30.5		8.3		17.0
MIN	7.12	7.32		92		70		24		0.00		24.8		5.8		13.0



WSSN 2310

Feb-18

D A T E	Total Coliform						66	Standard Plate Count		Conductivity (mS)	Temp deg.C	Color		Odor	
	Plant Tap							Raw	Tap			71	72	73	74
			Dort	3MG Well	Sta II	Lab Tap									
	60	61	62	63	64	65									
1						2/0			0.23	5.5					
2						2/0			0.22	7.7					
3						2/0			0.22	5.9					
4						2/0			0.21	5.1					
5						2/0			0.22	8.0					
6						2/0			0.23	7.2					
7						2/0			0.24	7.3					
8						2/0			0.24	6.9					
9						2/0			0.24	7.8					
10						2/0			0.22	4.8					
11						2/0			0.23	5.2					
12						2/0			0.24	8.2					
13						2/0			0.22	7.6					
14						2/0			0.24	5.5					
15						2/0			0.23	6.0					
16						2/0			0.18	5.2					
17						2/0			0.24	5.7					
18						2/0			0.24	5.5					
19						2/0			0.22	5.7					
20						2/0			0.24	6.7					
21						2/0			0.22	9.6					
22						2/0			0.24	5.5					
23						2/0			0.24	5.6					
24						2/0			0.23	6.5					
25						2/0			0.23	5.9					
26						2/0			0.24	6.2					
27						2/0			0.23	6.2					
28						2/0			0.23	6.4					
29															
30															
31															
AVG									0.23	6.4					
MAX									0.24	9.6					
MIN									0.18	4.8					



Distribution System Monitoring WSSN 2310

Feb-18

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	1.51	1.73	1.62	1.58	1.88															1.59					1.54		7			
2																1.72	1.78	1.30	1.27							1.60	5			
3																											0			
4																											0			
5	1.52	1.34	1.63	1.66	2.02	1.63																					6			
6							1.42	1.81	1.73	1.71		1.62	1.56	1.69	1.50	1.71	1.70	1.52	1.32			1.54					13			
7		1.35	1.71	1.63	1.92																1.56		1.80				6			
8												1.78	1.69	1.80	1.45									1.64			5			
9																									1.52		1			
10																											0			
11																											0			
12	1.54	1.28	1.61	1.61	1.42	1.41															1.42						7			
13							1.47	1.79	1.28	1.70		1.34	1.70									1.66					7			
14														1.77	1.34	1.66	1.72	1.35	1.23				1.62				7			
15	1.50		1.62	1.61	1.76															1.50					1.62		6			
16															1.64	1.76	1.49	1.16							1.64		5			
17																											0			
18																											0			
19	1.48	1.31	1.63	1.60	1.88	1.35															1.40						7			
20							1.68	1.67	1.42	1.77		1.36	1.70									1.52					7			
21														1.18	1.51	1.79	1.81	1.47	1.36				1.67				7			
22	1.55	1.32	1.65	1.65																1.63				1.66			6			
23												1.40	1.76	1.27	1.29							1.59				1.54	6			
24																											0			
25																											0			
26	1.50	1.34	1.71	1.71	1.99	1.59															1.57						7			
27							1.63	1.70	1.29	1.81		1.35	1.69									1.59					7			
28														1.29	1.32	1.70	1.68	1.50	1.07					1.80			7			
29																											0			
30																											0			
31																											0			
Monthly Cl₂ Avg.				1.57																										
Total Samples				105																										



Distribution System Monitoring

WSSN 2310

Feb-18

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	1.72	1.90	1.76	1.73	2.07															1.71				1.73		7		
2																1.83	1.96	1.47	1.45							1.76	5	
3																											0	
4																											0	
5	1.71	1.47	1.83	1.88	2.20	1.85																					6	
6							1.65	2.03	1.91	1.89		1.84	1.79	2.01	1.72	1.90	1.94	1.67	1.52			1.72				13		
7		1.55	1.93	1.96	2.13																1.83		2.02			6		
8												2.01	1.93	2.05	1.71									1.91		5		
9																										1.75	1	
10																											0	
11																											0	
12	1.66	1.53	1.84	1.83	1.51	1.65															1.65						7	
13							1.69	2.00	1.47	2.01		1.61	1.95									1.92					7	
14														2.02	1.70	1.91	1.94	1.56	1.48				1.94				7	
15	1.76		1.89	1.87	2.03																1.78				1.83		6	
16																1.90	1.96	1.70	1.37							1.89	5	
17																											0	
18																											0	
19	1.48	1.31	1.63	1.60	1.88	1.35																1.40					7	
20							1.68	1.67	1.42	1.77		1.36	1.70										1.52				7	
21														1.18	1.51	1.79	1.81	1.47	1.36					1.67			7	
22	1.55	1.32	1.65	1.65																	1.63				1.66		6	
23												1.40	1.76	1.27	1.29							1.59				1.54	6	
24																											0	
25																											0	
26	1.74	1.52	1.97	1.95	2.24	1.81																1.77					7	
27							1.86	2.01	1.48	2.04		1.58	1.99										1.81				7	
28														1.49	1.66	1.96	1.90	1.73	1.26					2.02			7	
29																											0	
30																											0	
31																											0	
Monthly Cl₂ Avg.					1.74																							
Total Samples					129																							



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Feb-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:				108						
Total number of routine distribution samples required:				100						