



Fluoridation & Chlorination

WSSN 2310

Jul-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	Dort	3MG Well	Tap					
								Free	Free	Free	Free					
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		0.66	0.71		1.17				0.9						1.5	
2		0.70	0.78		1.25				0.9						1.7	
3		0.65	0.66		1.21				0.7						1.6	
4		0.74	0.70		1.19				0.8						1.6	
5		0.63	0.63		1.24				0.8						1.5	
6		0.68	0.74		1.42				0.9						1.7	
7		0.66	0.69		1.46				0.8						1.7	
8		0.83	0.75		1.59				0.8						1.6	
9		0.80	0.78		1.60				0.8						1.7	
10		0.73	0.73		1.57				0.8						1.7	
11		0.67	0.67		1.34				0.9						1.6	
12		0.67	0.67		1.53				0.8						1.7	
13		0.73	0.76		1.45				0.6						1.6	
14		0.66	0.73		1.47				0.8						1.7	
15		0.80	0.82		1.50				0.8						1.6	
16		0.77	0.82		1.51				0.8						1.7	
17		0.72	0.67		1.43				0.7						1.6	
18		0.66	0.70		1.37				0.8						1.7	
19		0.67	0.67		1.31				0.7						1.6	
20		0.74	0.78		1.31				0.8						1.6	
21		0.68	0.73		1.44				0.8						1.5	
22		0.69	0.69		1.37				0.9						1.7	
23		0.65	0.64		1.30				0.9						1.7	
24		0.63	0.72		1.30				0.9						1.7	
25		0.74	0.69		1.40				0.9						1.8	
26		0.57	0.60		1.45				0.9						1.7	
27		0.74	0.70		1.44				0.7						1.7	
28		0.75	0.78		1.44				0.9						1.7	
29		0.62	0.69		1.37				0.8						1.6	
30		0.66	0.71		1.39				0.8						1.7	
31		0.70	0.75		1.23				0.9						1.6	
AVG			0.71		1.39				0.8						1.6	
MAX			0.82		1.60				0.9						1.8	
MIN			0.60		1.17				0.6						1.5	



Chemical Analyses WSSN 2310 Jul-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	7.29	7.55		104		84		32	0.01	0.01		28.9		7.8		17
2	7.23	7.56	100	102	80	82	30.0	34	0.0	0.03	28.1	27.3	8.3	7.3	16.0	17
3	7.58	7.62		102		86		32	0.01	0.02		28.1		7.8		16
4	7.24	7.60		102		86		30	0.02	0.02		28.9		7.3		16
5	7.31	7.68		100		86		30	0.02	0.01		28.1		7.3		19
6	7.39	7.57		106		86		36	0.02	0.01		28.1		8.7		16
7	7.45	7.68		106		86		36	0.02	0.01		28.1		8.7		16
8	7.53	7.58		104		82		32	0.01	0.01		28.9		7.8		17
9	7.57	7.65	102	100	80	84	32	30	0.01	0.02	28.1	28.1	7.8	7.3	17	17
10	7.26	7.57		104		86		34	0.03	0.01		28.1		8.3		17
11	7.64	7.81		106		86		36	0.02	0.01		28.1		8.7		16
12	7.55	7.79		106		86		38	0.02	0.02		27.3		9.2		16
13	7.45	7.72		104		84		32	0.01	0.02		28.9		7.8		17
14	7.43	7.73		100		88		28	0.01	0.01		28.9		6.8		18
15	7.49	7.74		108		84		36	0	0.01		28.9		8.7		17
16	7.47	7.79	106	106	80	84	34	36	0	0.00	28.9	28.1		8.7	16	17
17	7.50	7.71		102		84		32	0.01	0.01		28.1		7.8		16
18	7.46	7.76		104		84		34	0.03	0.02		28.1		8.3		18
19	7.50	7.75		102		80		32	0.02	0.01		28.1		7.8		17
20	7.38	7.76		106		86		36	0.02	0.01		28.1		8.7		16
21	7.49	7.69		106		86		38	0.02	0.02		27.3		9.2		16
22	7.50	7.74		104		82		34	0.02	0.03		28.1		8.3		16
23	7.52	7.77	102	102	80	84	32	32	0.03	0.01	28.1	28.1	7.8	7.8	15	15
24	7.49	7.72		102		86		32	0.01	0.02		28.1		7.8		16
25	7.34	7.62		102		82		30	0.07	0.03		28.9		7.3		17
26	7.24	7.52		104		84		34	0.02	0.03		28.1		8.3		16
27	7.36	7.62		104		82		34	0	0.02		28.1		8.3		16
28	7.23	7.62		102		84		30	0.01	0.02		28.9		7.3		16
29	7.39	7.62		100		82		32	0.01	0.02		27.3		7.8		16
30	7.42	7.65	104	102	84	82	36	34	0	0.00	27.3	27.3	8.7	8.3	15	16
31	7.39	7.67		102		84		34	0.03	0.02		27.3		8.3		16
AVG	7.42	7.67		103		84		33		0.02		28.2		8.0		17
MAX	7.64	7.81		108		88		38		0.03		28.9		9.2		19.0
MIN	7.23	7.52		100		80		28		0.00		27.3		6.8		15.0



WSSN 2310

Jul-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	14.1					
2						2/0			0.24	14.7					
3						2/0			0.24	14.9					
4						2/0			0.24	15.0					
5						2/0			0.24	14.9					
6						2/0			0.24	15.5					
7						2/0			0.24	15.4					
8						2/0			0.24	15.2					
9						2/0			0.24	15.0					
10						2/0			0.24	15.6					
11						2/0			0.24	15.5					
12						2/0			0.24	15.7					
13						2/0			0.25	16.6					
14						2/0			0.24	16.9					
15						2/0			0.24	17.8					
16						2/0			0.24	17.8					
17						2/0			0.24	17.8					
18						2/0			0.24	17.5					
19						2/0			0.24	18.1					
20						2/0			0.24	18.8					
21						2/0			0.24	18.5					
22						2/0			0.24	17.4					
23						2/0			0.24	17.8					
24						2/0			0.24	17.2					
25						2/0			0.24	17.3					
26						2/0			0.24	17.0					
27						2/0			0.24	17.5					
28						2/0			0.24	18.4					
29						2/0			0.24	19.2					
30						2/0			0.24	19.5					
31						2/0			0.24	19.6					
AVG									0.24	16.8					
MAX									0.25	19.6					
MIN									0.24	14.1					



Distribution System Monitoring WSSN 2310

Jul-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	1.13		1.40	1.42	2.38	1.47																				1.18					7
2							0.91	1.50	1.53	1.52	1.37	0.75									1.25						0.94				8
3														1.47	1.38	1.53	1.70	1.16	0.51					1.53				1.57			8
4																															0
5													0.77			1.25	1.43		0.46											1.31	5
6																															0
7																															0
8	1.15	1.38		1.26	1.54	1.30																		0.71		1.02					7
9							1.25	1.39	0.92	1.51	1.21	0.83									1.12						1.05				8
10														1.09	0.76	1.38	1.77	1.07	0.25												8
11	0.98		1.34	1.39	1.46																1.03		1.65					1.83	1.33		7
12													0.62			0.91	1.54		0.23						1.70					1.20	6
13																															0
14																															0
15	1.10	1.68		1.39	1.68	1.50																		0.85		1.19					7
16							0.78	1.54	1.04	1.47	1.32	0.60									1.33						0.90				8
17														1.46	1.23	1.46	1.56	1.03	0.20					1.48				1.71			8
18	1.15		1.34	1.38	1.59																0.81		1.67						1.24		7
19													0.86			1.37	1.60		0.18						1.54					0.80	6
20																															0
21																															0
22	0.83	1.49		1.31	1.72	1.39																		0.75		1.17					7
23								1.57	0.71	1.53	1.22	0.53									1.32						1.18				7
24														1.19	1.18	1.04	1.60	0.91	0.01					1.58				1.66			8
25	1.21		1.33	1.25	1.49																1.06		1.61						1.24		7
26													0.94			1.32	1.61		1.16											1.00	5
27																															0
28																															0
29	1.03	1.62		1.41	1.53	1.49																		0.66		1.26					7
30							0.86	1.57	1.03	1.51	1.32	0.61									1.32						0.90				8
31														1.49	1.15	1.27	1.51	0.70	1.00						1.55				1.67		8
Monthly Cl₂ Avg.				1.22																											
Total Samples				135																											



Distribution System Monitoring

WSSN 2310

Jul-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	1.25		1.57	1.57	2.53	1.69																															7								
2							1.09	1.73	1.78	1.77	1.52	1.00										1.49						1.54						1.46			8								
3														1.80	1.60	1.76	1.93	1.52	0.72														1.87			1.89			8						
4																																						0							
5													1.01			1.57	1.84		0.64																	1.50			5						
6																																						0							
7																																						0							
8	1.34	1.78		1.55	1.91	1.64																													0.98		1.46			7					
9							1.46	1.83	1.17	1.71	1.48	1.13										1.46													1.41			8							
10														1.48	1.03	1.57	2.04	1.21	0.41																1.94			2.00		8					
11	1.17		1.56	1.53	1.62																																	1.49			7				
12													0.83			1.14	1.76		0.37																	1.88			1.39		6				
13																																								0					
14																																								0					
15	1.35	1.84		1.53	1.84	1.68																															1.02		1.37			7			
16							1.08	1.68	1.17	1.63	1.55	0.81										1.48															1.06			8					
17														1.64	1.46	1.68	1.77	1.30	0.36																		1.72			1.92		8			
18	1.39		1.52	1.55	1.81																																			1.47		7			
19													1.05			1.52	1.74		0.33																					1.03		6			
20																																									0				
21																																									0				
22	0.99	1.77		1.49	1.93	1.63																															0.89		1.29			7			
23								1.74	1.19	1.69	1.38	0.76										1.46																1.40			7				
24														1.33	1.33	1.32	1.74	1.05	0.07																					1.83			8		
25	1.35		1.50	1.50	1.72																																				1.45		7		
26														1.15			1.60	1.76		1.40																					1.13		5		
27																																										0			
28																																										0			
29	1.15	1.80		1.55	1.68	1.65																																			0.90		1.48		7
30							1.02	1.70	1.19	1.64	1.48	0.73										1.52																				1.00		8	
31															1.69	1.30	1.57	1.72	1.13	1.15																						1.82			8
Monthly Cl₂ Avg.				1.43																																									
Total Samples				135																																									



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Jul-19

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:				135						
Total number of routine distribution samples required:				100						