



Fluoridation & Chlorination

WSSN 2310

Apr-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	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
1		0.61	0.63		1.07				1.0						1.8
2		0.60	0.66		1.04				1.1						1.7
3		0.60	0.65		1.02				1.1						1.7
4		0.53	0.61		0.99				1.0						1.7
5		0.46	0.46		1.06				1.1						1.7
6		0.51	0.50		1.06				1.1						1.7
7		0.70	0.68		0.99				1.1						1.7
8		0.63	0.70		0.94				1.0						1.6
9		0.60	0.63		1.00				1.1						1.6
10		0.62	0.67		1.01				1.1						1.7
11		0.58	0.59		1.03				1.1						1.7
12		0.52	0.52		1.05				1.1						1.7
13		0.59	0.61		1.06				1.1						1.7
14		0.61	0.61		1.05				1.1						1.7
15		0.60	0.63		1.03				1.1						1.7
16		0.59	0.63		0.93				1.2						1.7
17		0.72	0.71		0.93				1.1						1.6
18		0.75	0.79		1.04				1.1						1.7
19		0.56	0.55		1.09				1.0						1.7
20		0.66	0.64		1.10				1.1						1.7
21		0.67	0.66		1.02				1.1						1.7
22		0.65	0.64		1.08				1.0						1.7
23		0.60	0.64		1.13				1.1						1.6
24		0.67	0.66		1.10				1.1						1.7
25									1.1						
26															
27															
28															
29															
30															
31															
AVG			0.63		1.03				1.1						1.7
MAX			0.79		1.13				1.2						1.8
MIN			0.46		0.93				1.0						1.6



Chemical Analyses WSSN 2310 Apr-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	7.44		108		88		38	0	0.01		28.1		9.2		16
2	7.18	7.39	106	108	####	90	36.0	38	0.0	0.01	28.1	28.1	8.7	9.2	14.0	14
3	7.32	7.43		108		86		38	0.03	0.02		28.1		9.2		14
4	7.24	7.47		104		88		36	0.01	0.01		28.9		8.7		13
5	7.15	7.38		110		86		38	0.01	0.01		28.9		9.2		14
6	7.16	7.47		106		90		36	0.01	0.03		28.1		8.7		15
7	7.27	7.50		108		88		36	0.03	0.02		28.9		8.7		14
8	7.21	7.46		106		86		36	0.01	0.02		28.1		8.7		13
9	7.23	7.47	106	108	84	84	36	38	0.04	0.05	28.1	28.1	8.7	9.2	13	14
10	7.21	7.47		108		88		38	0.01	0.01		28.1		9.2		13
11	7.23	7.46		108		86		36	0.02	0.01		28.9		8.7		14
12	7.18	7.46		108		86		38	0	0.01		28.1		9.2		13
13	7.40	7.53		104		88		34	0.02	0.02		28.1		8.3		14
14	7.26	7.56		108		90		36	0.01	0.00		28.9		8.7		13
15	7.26	7.48		108		88		38	0.02	0.00		28.1		9.2		13
16	7.30	7.53	104	104	84	86	32	36	0.02	0.01	28.9	27.3	7.8	8.7	12	13
17	7.32	7.55		106		88		36	0.01	0.01		28.1		8.7		13
18	7.37	7.52		104		88		34	0.01	0.01		28.1		8.3		13
19	7.32	7.53		106		86		36	0.02	0.01		28.1		8.7		13
20	7.21	7.57		106		86		38	0	0.01		27.3		9.2		13
21	7.31	7.62		104		84		36	0.01	0.01		27.3		8.7		13
22	7.31	7.55		106		84		38	0.01	0.01		27.3		9.2		14
23	7.25	7.51	104	102	80	88	36	34	0.01	0.02	27.3	27.3	8.7	8.3	13	14
24	7.29	7.55		102		82		36	0.01	0.01		26.5		8.7		13
25	7.23	7.43		104		86		36	0.01	0.02		27.3		8.7		13
26																
27																
28																
29																
30																
31																
AVG	7.26	7.49		106		87		37		0.01		28.0		8.9		14
MAX	7.40	7.62		110		90		38		0.05		28.9		9.2		16.0
MIN	7.15	7.38		102		82		34		0.00		26.5		8.3		13.0



WSSN 2310

Apr-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			0.26	6.8					
2						2/0			0.26	7.3					
3						2/0			0.26	7.0					
4						2/0			0.26	7.5					
5						2/0			0.26	8.3					
6						2/0			0.25	7.9					
7						2/0			0.25	7.3					
8						2/0			0.25	7.1					
9						2/0			0.25	7.2					
10						2/0			0.24	6.9					
11						2/0			0.26	6.4					
12						2/0			0.25	6.6					
13						2/0			0.25	6.8					
14						2/0			0.25	7.0					
15						2/0			0.25	6.7					
16						2/0			0.25	7.0					
17						2/0			0.25	7.2					
18						2/0			0.24	7.9					
19						2/0			0.24	7.0					
20						2/0			0.24	7.2					
21						2/0			0.24	7.5					
22						2/0			0.24	7.6					
23						2/0			0.23	7.1					
24						2/0			0.23	7.5					
25									0.23	7.2					
26															
27															
28															
29															
30															
31															
AVG									0.25	7.2					
MAX									0.26	8.3					
MIN									0.23	6.4					



Distribution System Monitoring WSSN 2310

Apr-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	1.43	1.59	1.56	1.54	1.58	1.34																	1.71			1.44					8	
2							1.60	1.70	1.28	1.70	1.55	1.65	1.40								1.49						1.45				9	
3														1.60	1.51	1.77	1.57	1.35	1.01					1.79					1.77		8	
4	1.28	1.67	1.61	1.60	1.66																		1.72								6	
5															1.65	1.60	1.50	0.95								1.69					5	
6																															0	
7																															0	
8	1.46	1.60	1.56	1.54	1.75	1.38																			1.39						7	
9							1.45	1.68	1.34	1.69	1.52		1.28									1.52					1.43	1.15			9	
10														1.67	1.51	1.64	1.71	1.48	0.92									1.82			8	
11	1.50	1.78	1.60	1.59	1.79																1.29		1.75						1.82		8	
12															1.52	1.70	1.43	0.95							1.75				1.52		6	
13																																0
14																																0
15	1.42	1.59	1.56	1.53	1.79	1.60																			1.57						8	
16							1.62	1.83	1.25	1.76	1.49		1.23									1.49						1.41			8	
17														1.67	1.40	1.58	1.61	1.15	1.12									1.68			8	
18	1.38	1.59	1.46	1.36	1.77																								1.50			8
19																1.65	1.62	1.39														5
20																																0
21																																0
22	1.39	1.66	1.46	1.48	1.78	1.45																				1.20						8
23							1.67	1.79	1.19	1.71	1.43		1.19													1.43			1.18			8
24														1.65	1.52	1.72	1.71	1.18	0.98								1.76			1.76		8
25																																0
26																																0
27																																0
28																																0
29																																0
30																																0
31																																0
Monthly Cl₂ Avg.				1.52																												
Total Samples				119																												



Distribution System Monitoring

WSSN 2310

Apr-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	1.67	1.93	1.79	1.80	1.92	1.58																	1.94			1.74					8		
2							1.74	1.95	1.55	1.94	1.76	1.86	1.60									1.81					1.57				9		
3														1.85	1.73	2.03	1.83	1.56	1.22					2.07				2.01			8		
4	1.45	1.92	1.84	1.84	1.90																		1.93								6		
5																1.81	1.80	1.70	1.23							1.84					5		
6																															0		
7																															0		
8	1.65	1.86	1.75	1.77	2.08	1.71																									7		
9							1.67	1.90	1.54	1.81	1.73		1.48														1.58				9		
10															1.78	1.74	1.85	1.84	1.71	1.11							1.70	1.28			8		
11	1.70	2.01	1.80	1.81	1.97																								2.02		8		
12																	1.72	1.91	1.72	1.19									1.71		8		
13																																0	
14																																0	
15	1.57	1.78	1.71	1.82	2.05	1.83																										8	
16							1.76	1.94	1.42	1.95	1.69		1.44														1.65				8		
17																1.88	1.61	1.81	1.81	1.34	1.30										8		
18	1.61	1.80	1.63	1.68	1.97																											8	
19																																8	
20																	1.87	1.74	1.58													5	
21																																0	
22	1.62	1.79	1.72	1.61	1.99	1.69																										0	
23							1.83	1.90	1.34	1.86	1.66		1.47																			8	
24																1.83	1.70	1.92	1.83	1.30	1.14											8	
25																																	0
26																																	0
27																																	0
28																																	0
29																																	0
30																																	0
31																																	0
Monthly Cl₂ Avg.						1.73																											
Total Samples						119																											



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Apr-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:				119						
Total number of routine distribution samples required:				100						