



Fluoridation & Chlorination

WSSN 2310

May-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	Free					
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		0.67	0.70		0.96				1.1						1.7	
2		0.68	0.72		1.01				1.1						1.7	
3		0.60	0.60		0.98				1.1						1.7	
4		0.62	0.66		1.06				1.1						1.8	
5		0.68	0.66		0.94				1.1						1.8	
6		0.65	0.64		0.92				1.1						1.7	
7		0.79	0.87		0.95				1.0						1.7	
8		0.62	0.66		0.96				1.1						1.7	
9		0.65	0.67		0.95				1.1						1.6	
10		0.59	0.60		0.92				1.1						1.7	
11		0.68	0.71		1.01				1.2						1.7	
12		0.69	0.64		1.04				1.1						1.7	
13		0.69	0.65		0.99				1.0						1.7	
14		0.71	0.77		1.10				1.0						1.7	
15		0.62	0.64		1.02				1.1						1.7	
16		0.62	0.62		0.98				1.1						1.7	
17		0.59	0.60		0.97				1.1						1.6	
18		0.62	0.66		0.93				1.1						1.7	
19		0.64	0.70		0.98				1.1						1.7	
20		0.68	0.68		1.10				1.0						1.7	
21		0.69	0.72		0.96				1.1						1.6	
22		0.60	0.77		0.90				1.1						1.6	
23		0.66	0.66		0.89				1.0						1.6	
24		0.55	0.70		0.99				1.0						1.7	
25		0.56	0.56		1.04				1.0						1.7	
26		0.73	0.75		1.07				1.1						1.7	
27		0.80	0.63		1.07				1.0						1.7	
28		0.50	0.60		1.00				1.0						1.6	
29		0.75	0.69		1.00				1.1						1.5	
30																
31																
AVG			0.67		0.99				1.1						1.7	
MAX			0.87		1.10				1.2						1.8	
MIN			0.56		0.89				1.0						1.5	



Chemical Analyses WSSN 2310 May-19

DATE	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	7.35	7.63		106		82		36	0.01	0.01		28.1		8.7		15
2	7.29	7.52		106		84		40	0.0	0.02		26.5		9.7		13
3	7.28	7.48		104		82		36	0.05	0.03		27.3		8.7		13
4	7.37	7.46		103		76		35	0.01	0.01		27.3		8.5		15
5	7.28	7.59		94		80		28	0.02	0.01		26.5		6.8		13
6	7.37	7.64		100		80		38	0.01	0.01		24.8		9.2		13
7	7.26	7.60	104	98	80	80	42	36	0	0.03		24.8	10.2	8.7	13	15
8	7.25	7.55		100		80		34	0.02	0.02		26.5		8.3		15
9	7.33	7.59		102		80		32	0.02	0.01		28.1		7.8		14
10	7.29	7.59		102		80		32	0.01	0.02		28.1		7.8		13
11	7.38	7.69		104		84		36	0.02	0.04		27.3		8.7		13
12	7.29	7.66		102		84		32	0.05	0.02		28.1		7.8		13
13	7.27	7.55		90		80		22	0.01	0.01		27.3		8.3		14
14	7.45	7.53	96	100	74	80	32	32	0.02	0.04	25.7	27.3	7.8	7.8	13	16
15	7.43	7.72		102		80		38	0.04	0.01		25.7		9.2		13
16	7.34	7.55		100		86		32	0.02	0.02		27.3		7.8		14
17	7.44	7.55		100		84		36	0.01	0.03		25.7		8.7		14
18	7.36	7.56		98		86		30	0.01	0.01		27.3		7.3		14
19	7.42	7.52		102		82		36	0.02	0.02		26.5		8.7		15
20	7.37	7.59		100		82		36	0.02	0.02		25.7		8.7		14
21	7.35	7.54	104	102	78	82	38	38	0.01	0.03	26.5	25.7	9.2	9.2	13	15
22	7.32	7.46		102		84		40	0.01	0.02		24.8		9.7		15
23	7.45	7.64		104		82		36	0.01	0.02		27.3		8.7		15
24	7.42	7.62		102		84		34	0.02	0.02		27.3		8.3		16
25	7.35	7.58		100		88		36	0.01	0.01		25.7		8.7		15
26	7.41	7.62		100		84		34	0.03	0.01		26.5		8.3		16
27	7.32	7.56		100		86		34	0.02	0.03		26.5		8.3		15
28	7.43	7.63	96	100	80	84	30	32	0.03	0.01	26.5	27.3	7.3	7.8	14	15
29	7.52	7.77		104		82		34	0.01	0.02		28.1		8.3		14
30																
31																
AVG	7.36	7.59		101		82		34		0.02		26.7		8.4		14
MAX	7.52	7.77		106		88		40		0.04		28.1		9.7		16.0
MIN	7.25	7.46		90		76		22		0.01		24.8		6.8		13.0



WSSN 2310

May-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			0.23	7.8					
2						2/0			0.23	8.2					
3						2/0			0.23	8.4					
4						2/0			0.21	8.0					
5						2/0			0.23	8.4					
6						2/0			0.23	8.4					
7						2/0			0.22	8.6					
8						2/0			0.22	8.7					
9						2/0			0.22	8.7					
10						2/0			0.23	9.3					
11						2/0			0.23	9.0					
12						2/0			0.23	8.9					
13						2/0			0.23	9.0					
14						2/0			0.22	8.5					
15						2/0			0.23	8.9					
16						2/0			0.22	8.9					
17						2/0			0.22	9.1					
18						2/0			0.22	9.5					
19						2/0			0.22	9.7					
20						2/0			0.23	9.7					
21						2/0			0.23	9.7					
22						2/0			0.22	9.3					
23						2/0			0.23	9.8					
24						2/0			0.23	9.9					
25						2/0			0.23	10.0					
26						2/0			0.23	10.2					
27						2/0			0.22	10.6					
28						2/0			0.23	10.2					
29						2/0			0.23	10.2					
30															
31															
AVG									0.22	9.2					
MAX									0.23	10.6					
MIN									0.21	7.8					



Distribution System Monitoring WSSN 2310

May-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														1.71	1.37	1.64	1.71	1.46	1.01					1.74									8		
2	1.41	1.56	1.55	1.61	1.83															1.27		1.79							1.77		1.44		8		
3																1.64	1.73	1.44	0.86							1.73						1.50	6		
4																																		0	
5																																		0	
6	1.49		1.51	1.40	1.57	1.45																					1.51						7		
7							1.47		1.15	1.65	1.40		1.26									1.58							1.35				7		
8								1.69						1.52	1.40	1.62	1.38	1.24	0.60									1.51					9		
9	1.22	1.63	1.58	1.53	1.63																1.22		1.68								1.43		8		
10																1.69	1.76	1.52	0.89										1.81				1.38	6	
11																																		0	
12																																		0	
13	1.42	1.61	1.52	1.58	1.75	1.44																									1.49		1.34		8
14							1.44	1.61	1.21	1.68	1.36		1.21									1.52											1.26		8
15														1.22	1.33	1.59	1.40	1.34	0.75													1.59		8	
16	1.41	1.64	1.38	1.23	1.75																0.96		1.64									1.47		8	
17																1.73	1.49	0.96	0.80														1.34	6	
18																																			0
19																																			0
20	1.16	1.64	1.31	1.51	1.58	1.49																									1.64		1.34		8
21							1.55	1.73	1.29	1.62	1.38		1.26									1.34										1.48		8	
22														1.71	1.32	1.38	1.67	1.36	0.78													1.66		8	
23	1.33	1.69	1.42	1.38	1.70																												1.49		8
24																1.33	1.58	1.13	0.70														1.19	6	
25																																			0
26																																			0
27																																			0
28	1.36		1.36	1.40	1.61	1.40	1.42	1.66	1.54	1.64	1.44	1.02	1.15									1.33									1.39	1.05		16	
29														1.40	1.21	1.49	1.55	1.23	0.71													1.71		8	
30																																			0
31																																			0
Monthly Cl₂ Avg.				1.43																															
Total Samples				138																															



Distribution System Monitoring

WSSN 2310

May-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															1.92	1.58	1.83	1.92	1.64	1.15					1.95								8									
2	1.62	1.84	1.71	1.81	2.04																											1.92			1.66			8				
3																1.80	1.91	1.61	1.13																1.66			6				
4																																						0				
5																																						0				
6	1.62		1.73	1.82	1.97	1.68																														1.71			7			
7							1.60		1.37	1.97	1.74		1.50																							1.56			7			
8								1.91							1.86	1.64	1.87	1.92	1.59	1.02																2.04			9			
9	1.22	1.63	1.58	1.53	1.63																																1.43			8		
10																																					1.81			6		
11																																							0			
12																																							0			
13	1.58	1.79	1.75	1.74	1.89	1.67																															1.61			8		
14							1.60	1.89	1.50	1.88	1.61		1.38																								1.44			8		
15																																							1.80			8
16	1.70	1.89	1.74	1.72	1.96																																	1.62			8	
17																																						1.58			6	
18																																								0		
19																																								0		
20	1.32	1.90	1.71	1.73	1.87	1.70																																1.67			8	
21							1.76	1.95	1.52	1.96	1.66		1.42																									1.67			8	
22																																							1.82			8
23	1.48	1.92	1.63	1.65	1.90																																		1.63			8
24																																							1.37			6
25																																									0	
26																																									0	
27																																									0	
28	1.57		1.64	1.70	1.93	1.67	1.58	1.84	1.81	1.81	1.58	1.20	1.31																									1.63	1.29			16
29																																							1.86			8
30																																									0	
31																																									0	
Monthly Cl₂ Avg.					1.66																																					
Total Samples					138																																					



ROUTINE POSITIVE DISTRIBUTION SAMPLES

May-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:				138						
Total number of routine distribution samples required:				100						