



Fluoridation & Chlorination

WSSN 2310

May-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	Free					
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		0.67	0.70		0.88				1.2						1.7	
2		0.72	0.77		0.88				1.2						1.7	
3		0.63	0.65		0.73				1.2						1.7	
4		0.66	0.69		0.74				1.1						1.6	
5		0.75	0.66		0.81				1.1						1.7	
6		0.64	0.60		0.88				1.1						1.7	
7		0.67	0.81		0.98				1.2						1.8	
8		0.53	0.70		0.88				1.3						1.8	
9		0.65	0.65		0.85				1.1						1.6	
10		0.72	0.71		1.12				1.0						1.8	
11		0.62	0.64		1.05				1.1						1.7	
12		0.79	0.80		1.02				1.0						1.8	
13		0.79	0.76		0.92				1.1						1.7	
14		0.74	0.74		0.92				1.0						1.6	
15		0.75	0.76		0.99				0.8						1.7	
16		0.73	0.73		0.97				1.1						1.7	
17		0.72	0.72		0.98				1.1						1.7	
18		0.70	0.70		0.92				1.1						1.7	
19		0.71	0.71		1.06				1.0						1.7	
20		0.70	0.70		1.18				1.0						1.8	
21		0.72	0.71		1.02				1.0						1.8	
22		0.72	0.72		1.13				1.0						1.7	
23		0.73	0.73		1.10				1.0						1.8	
24		0.69	0.72		0.91				1.0						1.7	
25		0.76	0.78		0.99				1.1						1.7	
26		0.73	0.71		1.04				1.1						1.7	
27		0.72	0.86		0.88				1.0						1.6	
28		0.69	0.62		0.87				1.1						1.7	
29		0.70	0.72		0.90				1.1						1.6	
30		0.72	0.72		0.92				1.0						1.7	
31																
AVG			0.72		0.95				1.1						1.7	
MAX			0.86		1.18				1.3						1.8	
MIN			0.60		0.73				0.8						1.6	



Chemical Analyses WSSN 2310 May-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	7.43	7.63		104	82	84	36	36	0.01	0.02	27.3	27.3	8.7	8.7	15	15
2	7.40	7.53		100		76		30	0.0	0.01		28.1		7.3		14
3	7.41	7.51		102		80		26	0.02	0.02		30.5		6.3		16
4	7.41	7.68		106		80		24	0.01	0.00		31.3		5.8		13
5	7.33	7.66		106		88		36	0.01	0.01		28.1		8.8		16
6	7.41	7.65		98		82		30	0	0.00		27.3		7.3		13
7	7.40	7.68		104		82		32	0.03	0.02		28.9		7.8		16
8	7.29	7.60	104	104	80	88	36	36	0	0.01	27.3	27.3	8.7	8.7	15	16
9	7.38	7.60		102		82		24	0.01	0.00		31.3		5.8		13
10	7.34	7.63		104		86		34	0.01	0.01		28.1		8.3		16
11	7.35	7.60		106		86		36	0.01	0.01		28.1		8.7		17
12	7.40	7.66		108		86		36	0.01	0.01		28.9		8.7		16
13	7.44	7.61		92		80		20	0.02	0.00		28.9		4.9		16
14	7.37	7.63	106	104	80	86	36	34	0.01	0.01	28.1	28.1	8.7	8.3	16	16
15	7.37	7.58		104		84		34	0.03	0.02		28.1		8.3		17
16	7.35	7.60		104		86		34	0	0.00		28.1		8.3		17
17	7.36	7.58		104		88		32	0	0.02		28.9		7.8		13
18	7.39	7.61		106		86		36	0.01	0.01		28.1		8.7		15
19	7.41	7.64		102		88		30	0.02	0.01		28.9		7.3		16
20	7.45	7.61		98		66		30	0.02	0.01		27.3		7.3		18
21	7.34	7.64		106		86		36	0	0.02		28.1		8.7		16
22	7.34	7.62	104	104	82	84	34	34	0.02	0.02	28.1	28.1	8.3	8.3	16	15
23	7.38	7.58		104		84		34	0.01	0.00		28.1		8.3		15
24	7.36	7.59		104		86		34	0.02	0.01		28.1		8.3		15
25	7.40	7.63		104		86		36	0	0.00		27.3		8.7		16
26	7.45	7.54		96		76		26	0.01	0.01		28.1		6.3		13
27	7.39	7.64		104		84		34	0	0.02		28.1		8.3		16
28	7.42	7.56		98		76		30	0	0.01		27.3		7.3		16
29	7.39	7.60	102	106	82	84	34	40	0.01	0.01	26.5	27.3	8.3	9.7	17	16
30	7.46	7.61		94		80		26	0.01	0.01		27.3		6.3		15
31																
AVG	7.39	7.61		103		83		32		0.01		28.3		7.8		15
MAX	7.46	7.68		108		88		40		0.02		31.3		9.7		18.0
MIN	7.29	7.51		92		66		20		0.00		27.3		4.9		13.0



WSSN 2310

May-18

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	6.5					
2						2/0			0.23	7.1					
3						2/0			0.23	9.4					
4						2/0			0.24	7.8					
5						2/0			0.24	7.5					
6						2/0			0.22	7.6					
7						2/0			0.24	7.2					
8						2/0			0.24	7.8					
9						2/0			0.23	9.6					
10						2/0			0.23	8.3					
11						2/0			0.23	8.0					
12						2/0			0.23	7.8					
13						2/0			0.23	8.2					
14						2/0			0.23	8.7					
15						2/0			0.23	8.8					
16						2/0			0.23	8.9					
17						2/0			0.24	8.7					
18						2/0			0.24	8.8					
19						2/0			0.24	9.4					
20						2/0			0.24	9.7					
21						2/0			0.24	9.4					
22						2/0			0.24	9.4					
23						2/0			0.24	9.8					
24						2/0			0.23	9.8					
25						2/0			0.23	10.4					
26						2/0			0.23	10.6					
27						2/0			0.23	10.8					
28						2/0			0.23	10.9					
29						2/0			0.23	11.3					
30						2/0			0.23	11.9					
31															
AVG									0.23	9.0					
MAX									0.24	11.9					
MIN									0.22	6.5					



Distribution System Monitoring WSSN 2310

May-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							0.82	1.52	0.93	1.49		1.65	1.72															1.33				7	
2														1.38	1.49	1.60	1.75	1.32	1.03						1.64				1.72			8	
3	1.55	1.43	1.34	1.25	1.88															1.69				1.54					1.49		8		
4											1.44					1.68	1.69	1.27	1.02							1.70				1.61		7	
5																																0	
6																																0	
7	1.47	1.32	1.59	1.62	1.91	1.46																					1.70			1.15		8	
8							0.89	1.59	1.27	1.46		1.77	1.67																1.48			7	
9														1.26	1.50	1.80	1.69	1.40	1.03						1.77				1.83			8	
10	1.45	1.14	1.54	1.56	1.87																1.76		1.53						1.49			8	
11											1.51					1.54	1.81	1.24	0.99						1.89					1.44		7	
12																																	0
13																																	0
14	1.25	1.23	1.57	1.35	1.96	1.44		1.52	0.88			1.51		1.63		1.57	1.68		0.99					1.58		1.45						15	
15							0.92			1.33			1.55		1.34			0.41			1.14			1.62			1.56	1.67				9	
16	1.46	1.35	1.60	1.56	1.43															1.81		1.52							1.50			8	
17											1.49					1.66	1.75	1.40							1.85					1.51		6	
18																																	0
19																																	0
20																																	0
21	1.50	1.24	1.45	0.91	1.68	1.37																			1.64		1.44					8	
22							0.74	1.25	1.28	1.42		1.68	1.58								1.00						1.58					8	
23														1.10	1.44	1.71	1.79	1.21	0.92					1.77				1.63				8	
24	1.47	1.26	1.58	1.59	1.87															1.80		1.47						1.56				8	
25											1.40					1.60	1.64	0.98	0.88						1.79				1.31			7	
26																																	0
27																																	0
28																																	0
29							0.95	1.30	1.14	1.34		1.70	1.61								0.78					1.44						8	
30	1.42			1.42	1.87									1.15		1.64	1.63		0.80													7	
31																																	0
Monthly Cl₂ Avg.					1.44																												
Total Samples					140																												



Distribution System Monitoring

WSSN 2310

May-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							1.09	1.71	1.11	1.65		1.72	1.84															1.51				7
2														1.50	1.58	1.68	1.85	1.48	1.20						1.84			1.85				8
3	1.70	1.52	1.75	1.55	2.12															1.91				1.74					1.91		8	
4											1.69					1.78	1.91	1.37	1.18							1.88				1.82	7	
5																															0	
6																															0	
7	1.66	1.46	1.78	1.86	2.10	1.65																		1.89			1.33				8	
8							1.04	1.86	1.47	1.62		1.92	1.86															1.64			7	
9														1.45	1.68	1.98	1.93	1.59	1.21					2.00				1.98			8	
10	1.77	1.37	1.73	1.69	2.11															1.93									1.74	7		
11										1.67						1.75	1.97	1.44	1.14					1.70			2.07			1.53	8	
12																															0	
13																															0	
14	1.71	1.46	1.74	1.71	2.11	1.63		1.60	1.17			1.70		1.85		1.85	1.87		1.18					1.77			1.69				15	
15							1.09			1.65			1.78		1.61			0.59			1.23			1.94			1.79	1.86			9	
16	1.65	1.53	1.78	1.81	2.13															1.99		1.74						1.73		8		
17											1.70					1.90	1.97	1.60								2.07				1.73	6	
18																															0	
19																															0	
20																															0	
21	1.70	1.47	1.71	1.66	1.97	1.60																		1.92			1.67				8	
22							0.91	1.51	1.47	1.61		1.95	1.80									1.23					1.79				8	
23														1.30	1.64	1.91	2.00	1.40	1.13					1.97				1.92			8	
24	1.66	1.47	1.85	1.82	2.14															2.01			1.70					1.78			8	
25										1.67						1.78	1.93	1.17	1.05							2.01			1.51	7		
26																															0	
27																															0	
28																															0	
29							1.18	1.51	1.37	1.61		1.92	1.83										1.00				1.67				8	
30	1.63			1.63	2.07									1.34		1.81	1.89		0.95											7		
31																															0	
Monthly Cl₂ Avg.					1.65																											
Total Samples					140																											



ROUTINE POSITIVE DISTRIBUTION SAMPLES

May-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						