



Fluoridation & Chlorination

WSSN 2310

Jan-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	28
1		0.62	0.67		1.03				1.0						1.7	
2		0.67	0.71		1.00				1.1						1.6	
3		0.64	0.69		0.99				1.1						1.7	
4		0.71	0.72		1.02				1.1						1.7	
5		0.66	0.71		1.08				1.0						1.7	
6		0.65	0.63		0.99				1.1						1.7	
7		0.63	0.68		0.97				1.1						1.7	
8		0.63	0.68		1.00				1.1						1.7	
9		0.61	0.61		1.03				1.1						1.6	
10		0.58	0.65		1.05				1.1						1.7	
11		0.68	0.69		1.06				1.1						1.7	
12		0.56	0.61		1.04				1.0						1.7	
13		0.66	0.65		1.03				1.1						1.7	
14		0.57	0.66		1.11				1.1						1.7	
15		0.65	0.67		1.14				1.1						1.7	
16		0.59	0.62		1.09				1.1						1.7	
17		0.69	0.70		0.95				1.1						1.7	
18		0.72	0.72		1.11				1.1						1.8	
19		0.65	0.67		1.13				1.1						1.8	
20		0.59	0.66		0.96				1.2						1.7	
21		0.64	0.66		0.97				1.0						1.7	
22		0.55	0.69		0.89				1.2						1.7	
23		0.55	0.66		0.93				1.0						1.7	
24		0.65	0.69		0.91				1.2						1.7	
25		0.66	0.68		0.90				1.1						1.7	
26		0.62	0.62		0.95				1.2						1.8	
27		0.60	0.63		0.97				1.1						1.7	
28		0.60	0.61		1.01				1.1						1.8	
29		0.71	0.73		0.96				1.2						1.7	
30		0.62	0.63		0.95				1.1						1.7	
31																
AVG			0.67		1.01				1.1						1.7	
MAX			0.73		1.14				1.2						1.8	
MIN			0.61		0.89				1.0						1.6	



Chemical Analyses WSSN 2310 Jan-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	7.32	7.48		100		80		36	0.01	0.01		25.7		8.7		12
2	7.26	7.53		104		82		34	0.0	0.01		28.1		8.3		13
3	7.32	7.50		106		82		36	0.01	0.01		28.1		8.7		13
4	7.30	7.49		104		82		36	0.02	0.02		27.3		8.7		14
5	7.29	7.55		104		84		34	0.01	0.01		28.1		8.3		14
6	7.39	7.46		104		84		34	0	0.01		28.1		8.3		15
7	7.32	7.50		104		86		34	0.02	0.02		28.1		8.3		15
8	7.33	7.49	104	104		82	34	34	0.01	0.03	28.1	28.1	8.3	8.3	14	14
9	7.35	7.56		106		84		38	0.01	0.01		27.3		9.2		14
10	7.32	7.56		104		84		34	0.02	0.02		28.1		8.3		14
11	7.30	7.53		104		84		34	0.01	0.01		28.1		8.3		14
12	7.29	7.51		98		80		26	0.01	0.01		28.9		6.3		13
13	7.30	7.53		106		84		34	0.03	0.01		28.9		8.3		12
14	7.25	7.52		104		84		34	0.01	0.01		28.1		8.3		14
15	7.26	7.55	106	106	80	84	36	36	0	0.01	28.1	28.1	8.7	8.7	13	13
16	7.30	7.50		108		84		38	0.01	0.00		28.1		9.2		13
17	7.25	7.43		102		80		30	0.02	0.02		28.9		7.3		14
18	7.29	7.50		106		82		36	0.02	0.02		28.1		8.7		13
19	7.27	7.45		104		82		36	0.02	0.03		27.3		8.7		14
20	7.17	7.48		96		80		28	0.02	0.01		27.3		6.8		12
21	7.21	7.50		104		84		32	0.02	0.02		28.9		7.8		12
22	7.22	7.45	102	102	80	84	32	32	0.03	0.01	28.1	28.1	7.8	7.8	14	14
23	7.41	7.55		96		74		28	0	0.00		27.3		6.8		14
24	7.38	7.51		104		76		34	0.02	0.02		28.1		8.3		15
25	7.31	7.48		102		80		28	0.03	0.02		29.7		6.8		15
26	7.21	7.51		104		88		32	0.02	0.02		28.9		7.8		15
27	7.38	7.44		104		86		30	0.02	0.01		27.3		7.3		15
28	7.32	7.60		104		82		26	0.01	0.05		30.5		6.3		14
29	7.38	7.56	100	102	78	80	28	24	0.02	0.04	28.9	31.3	6.8	5.8	13	14
30	7.36	7.53		104		82		34	0	0.00		28.1		8.3		15
31																
AVG	7.30	7.51		103		82		33		0.02		28.2		8.0		14
MAX	7.41	7.60		108		88		38		0.05		31.3		9.2		15.0
MIN	7.17	7.43		96		74		24		0.00		25.7		5.8		12.0



WSSN 2310

Jan-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	8.7					
2						2/0			0.23	9.7					
3						2/0			0.23	9.1					
4						2/0			0.23	9.4					
5						2/0			0.23	9.7					
6						2/0			0.23	9.9					
7						2/0			0.23	9.5					
8						2/0			0.23	9.8					
9						2/0			0.22	9.2					
10						2/0			0.23	9.0					
11						2/0			0.23	9.0					
12						2/0			0.22	9.9					
13						2/0			0.23	9.0					
14						2/0			0.23	9.2					
15						2/0			0.23	8.9					
16						2/0			0.23	8.9					
17						2/0			0.23	8.2					
18						2/0			0.22	8.8					
19						2/0			0.23	8.3					
20						2/0			0.21	6.3					
21						2/0			0.23	7.3					
22						2/0			0.23	7.7					
23						2/0			0.23	9.2					
24						2/0			0.23	9.2					
25						2/0			0.23	8.6					
26						2/0			0.23	7.1					
27						2/0			0.23	6.8					
28						2/0			0.23	6.6					
29						2/0			0.24	6.6					
30						2/0			0.24	6.4					
31															
AVG									0.23	8.5					
MAX									0.24	9.9					
MIN									0.21	6.3					



Distribution System Monitoring WSSN 2310

Jan-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																																0
2						1.50	1.63							1.65		1.26	1.66	1.36	1.26		1.46		1.66				1.46	1.63			11	
3	1.42	1.65	1.54	1.56	1.86																1.46		1.73						1.47		7	
4												1.25				1.48	1.72	1.41	0.94						1.73					1.25	7	
5																															0	
6																															0	
7	1.45	1.71	1.61	1.67	1.85	1.63																				1.58		1.43			8	
8							1.55	1.73	1.38	1.74	1.57		1.28								1.48						1.54				8	
9														1.68	1.37	1.58	1.68	1.36	0.93					1.65				1.72			8	
10	1.37	1.63	1.56	1.54	1.74															1.49		1.76						1.20			8	
11															1.62	1.59	1.39	0.85						1.79					1.68		6	
12																															0	
13																															0	
14	1.47	1.73	1.56	1.57	1.87	1.55																			1.56		1.49				8	
15							1.50	1.73	1.52	1.68	1.62	1.35	1.29								1.48										9	
16														1.74	1.53	1.69	1.76	1.48	0.97				1.75				1.53		1.74		8	
17	1.54	1.83	1.65	1.65	1.83																1.45		1.84						1.58		8	
18																1.69	1.80	1.33	0.97						1.71				1.45		6	
19																															0	
20																															0	
21	1.67	1.77	1.65	1.67	1.83	1.41																		1.71		1.53					8	
22							1.66	1.72	1.13	1.61	1.62	1.28	1.59								1.41						1.49				9	
23														0.77	1.43	1.45	1.63	1.40	0.75					1.39				1.77			8	
24	1.52	1.76	1.64	1.65	1.78															1.43		1.73						1.64			8	
25															1.63	1.75	1.33	0.97							1.53				1.35		6	
26																															0	
27																															0	
28	1.44			1.59	1.70						1.55																				4	
29							1.79	1.29					1.57	1.85																	4	
30																1.59	1.84	1.57							1.83						4	
31																															0	
Monthly Cl₂ Avg.					1.55																											
Total Samples					134																											



Distribution System Monitoring

WSSN 2310

Jan-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																																0				
2						1.70	1.82							1.88		1.47	1.86	1.51	1.42		1.65		1.85					1.65	1.79			11				
3	1.65	1.95	1.77	1.67	2.05																	1.94							1.65			7				
4												1.41				1.66	1.88	1.61	1.04						1.94					1.52		7				
5																																0				
6																																0				
7	1.66	1.89	1.81	1.79	2.02	1.80																		1.79			1.64					8				
8							1.65	1.92	1.71	1.92	1.75		1.39								1.70							1.66				8				
9														1.89	1.54	1.78	1.89	1.58	1.17					1.87				1.90				8				
10	1.55	1.83	1.74	1.74	2.04															1.62		1.95							1.79			8				
11																1.79	1.91	1.64	1.13						1.93				1.85			6				
12																																0				
13																																0				
14	1.64	1.87	1.75	1.72	1.93	1.73																	1.81			1.60						8				
15							1.69	1.90	1.76	1.89	1.82	1.53	1.44								1.66							1.72				9				
16																1.99	1.75	1.90	1.98	1.68	1.16							1.96				8				
17	1.73	2.07	1.87	1.85	2.06																1.66		2.07						1.71			8				
18																1.91	1.99	1.56	1.22						1.92				1.64			6				
19																																0				
20																																0				
21	1.90	2.00	1.89	1.87	2.02	1.60																	1.88			1.77						8				
22							1.86	1.99	1.47	1.88	1.85	1.49	1.79									1.65					1.71					9				
23														1.37	1.60	1.87	1.87	1.65	1.16					1.95				1.96				8				
24	1.52	1.76	1.64	1.65	1.78																1.43		1.73					1.64				8				
25																1.63	1.75	1.33	0.97						1.53				1.35			6				
26																																0				
27																																0				
28	1.67			1.81	2.03						1.89																					4				
29							1.99	1.48					1.79	1.88																		4				
30																1.79	2.05	1.81							2.09							4				
31																																0				
Monthly Cl₂ Avg.					1.74																															
Total Samples					134																															



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Jan-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:				134						
Total number of routine distribution samples required:				100						