



Fluoridation & Chlorination

WSSN 2310

Jan-21

D A T E	Fluoride Applied F mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l							
					Chlorine App. Mg/l	Chlorine (prior to filtration) mg/L OCl ⁻	Post Chlorine mg/L	Sta II	Dort	3MG Well	Tap				
		Raw	Tap	Dist							Free	Free	Free	Free	Free
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
1		0.70	0.78		0.94				1.1						1.7
2		0.72	0.63		1.01				1.1						1.8
3		0.63	0.63		0.93				1.2						1.7
4		0.69	0.73		1.09				1.1						1.7
5		0.66	0.59		0.98				1.0						1.6
6		0.65	0.72		0.87				1.0						1.6
7		0.65	0.71		0.91				1.0						1.6
8		0.57	0.61		0.84				1.1						1.7
9		0.68	0.73		0.88				1.1						1.8
10		0.76	0.77		0.85				1.1						1.7
11		0.71	0.75		0.92				1.1						1.7
12		0.76	0.68		0.94				1.0						1.6
13		0.72	0.72		0.96				1.1						1.6
14		0.72	0.80		0.89				1.0						1.7
15		0.69	0.74		0.85				1.1						1.7
16		0.70	0.74		0.84				1.1						1.8
17		0.73	0.75		0.99				1.1						1.7
18		0.68	0.63		0.90				1.1						1.5
19		0.64	0.57		0.90				1.1						1.7
20		0.61	0.77		0.86				1.1						1.6
21		0.76	0.77		0.89				1.1						1.6
22		0.72	0.69		0.83				1.1						1.8
23		0.76	0.68		0.90				1.1						1.7
24		0.71	0.80		0.90				1.1						1.8
25		0.68	0.67		0.89				1.0						1.7
26		0.78	0.67		0.85				1.1						1.6
27		0.64	0.71		0.87				1.0						1.7
28		0.72	0.67		0.85				1.0						1.7
29		0.88	0.72		0.82				1.1						1.7
30		0.63	0.79		0.87				1.0						1.6
31		0.73	0.84		0.85				1.0						1.7
AVG			0.71		0.90				1.1						1.7
MAX			0.84		1.09				1.2						1.8
MIN			0.57		0.82				1.0						1.5



Chemical Analyses WSSN 2310 Jan-21

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	7.30	7.58		100		82		30	0.02	0.01		28.1		7.3		15
2	7.35	7.47		100		80		28	0.0	0.02		28.9		6.8		15
3	7.30	7.55		100		80		32	0.02	0.01		27.3		7.8		15
4	7.19	7.49		100		80		28	0	0.01		28.9		6.8		15
5	7.26	7.48	98	98	76	78	28	30	0.01	0.01	28.1	27.3	7.3	6.8	14	15
6	7.22	7.47		100		78		26	0.01	0.01		29.7		6.3		13
7	7.28	7.50		100		80		26	0.02	0.02		29.7		6.3		14
8	7.53	7.60		100		80		28	0.08	0.02		28.9		6.8		15
9	7.42	7.49		98		80		26	0.02	0.02		28.9		6.3		16
10	7.43	7.48		100		80		28	0.03	0.02		28.9		6.8		16
11	7.31	7.54		100		78		28	0.01	0.01		28.9		6.8		16
12	7.30	7.57	102	100	74	78	26	30	0.03	0.01	30.5	28.1	6.3	7.3	13	13
13	7.31	7.57		102		78		30	0.01	0.01		28.9		7.3		14
14	7.28	7.39		98		78		28	0.02	0.01		28.1		6.8		14
15	7.36	7.62		100		80		30	0.02	0.02		28.0		7.3		15
16	7.38	7.64		102		80		32	0.01	0.01		28.1		7.8		15
17	7.29	7.53		100		80		30	0.04	0.06		28.1		7.3		15
18	7.24	7.48		102		78		32	0.01	0.02		29.7		7.8		16
19	7.27	7.57	102	102	78	80	30	30	0.01	0.01	28.9	28.9	7.3	7.3	13	14
20	7.26	7.47		102		78		32	0.01	0.01		29.7		7.8		13
21	7.26	7.47		102		78		30	0.02	0.01		28.9		7.8		14
22	7.42	7.69		102		78		32	0.02	0.01		28.1		7.8		14
23	7.48	7.75		102		80		32	0.02	0.01		28.1		7.8		14
24	7.41	7.48		100		80		28	0.03	0.03		28.9		6.8		15
25	7.26	7.45		100		80		26	0.02	0.02		29.7		6.3		15
26	7.28	7.52	98	100	76	80	26	26	0.02	0.01	72	29.7	6.3	6.3	14	14
27	7.21	7.46		100		80		26	0.03	0.00		29.7		6.3		14
28	7.21	7.47		102		80		26	0.01	0.00		30.5		6.3		14
29	7.26	7.49		104		80		28	0.02	0.00		30.5		6.8		14
30	7.42	7.53		102		76		32	0	0.01		28.1		7.8		16
31	7.24	7.47		100		82		30	0.01	0.02		28.1		7.3		15
AVG	7.31	7.52		101		79		29		0.01		28.8		7.1		15
MAX	7.53	7.75		104		82		32		0.06		30.5		7.8		16.0
MIN	7.19	7.39		98		76		26		0.00		27.3		6.3		13.0



WSSN 2310

Jan-21

DATE	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	9.6					
2						2/0			0.22	10.3					
3						2/0			0.22	10.7					
4						2/0			0.23	10.5					
5						2/0			0.22	10.7					
6						2/0			0.22	10.3					
7						2/0			0.22	10.8					
8						2/0			0.22	9.9					
9						2/0			0.21	9.8					
10						2/0			0.21	10.1					
11						2/0			0.22	10.2					
12						2/0			0.22	10.3					
13						2/0			0.22	10.5					
14						2/0			0.23	10.6					
15						2/0			0.23	9.3					
16						2/0			0.22	8.5					
17						2/0			0.22	10.7					
18						2/0			0.23	10.3					
19						2/0			0.23	10.0					
20						2/0			0.23	10.4					
21						2/0			0.23	9.9					
22						2/0			0.22	8.8					
23						2/0			0.22	8.8					
24						2/0			0.21	9.2					
25						2/0			0.22	9.5					
26						2/0			0.22	9.7					
27						2/0			0.22	9.4					
28						2/0			0.22	9.2					
29						2/0			0.23	9.4					
30						2/0			0.22	9.2					
31						2/0			0.22	8.3					
AVG									0.22	9.8					
MAX									0.23	10.8					
MIN									0.21	8.3					



Distribution System Monitoring WSSN 2310

Jan-21

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																1.30			1.36																	2				
2																																				0				
3																																				0				
4	1.25	1.60		1.24	1.62	1.56											1.31	1.12						1.39									1.29		9					
5							1.82	1.05	1.32	1.19											1.55							1.14							6					
6														1.42	1.22	1.72	1.52		1.37						1.69		1.31		1.60	1.60					9					
7	1.31			1.06	1.77						1.41															1.17		1.53				1.62				7				
8													1.64			1.57	1.56		1.39																4					
9																																				0				
10																																				0				
11	1.40			1.45	1.77	1.29												1.28										0.90						1.26		7				
12							1.72	1.16	1.65	1.53	0.99											1.47						1.22								7				
13														1.44		1.55	1.50		1.16							1.20		1.44		1.41	1.63					8				
14	1.36			1.45	1.76						1.50															1.10		1.56				1.50					7			
15													1.71			1.57	1.64		1.40																		4			
16																																						0		
17																																						0		
18	1.51	1.34		1.56	1.74	1.30													1.08									1.43							1.42		8			
19							1.72	1.24	1.70	1.45												1.48						1.48									6			
20														1.25	1.44	1.59	1.58		1.26													1.75		1.43	1.48	1.73	1.54		9	
21	1.50			1.45	1.23						1.53															1.29		1.67				1.67						7		
22														1.67			1.49	1.60		1.49																		4		
23																																							0	
24																																							0	
25	1.57			1.56	1.17	0.70														0.97												1.20					1.45		7	
26							1.68	1.28	1.60	1.33	1.20																1.57						0.94						7	
27														1.30	1.24	1.47	1.30		1.36													1.50		1.32		1.74	1.35		9	
28	1.30			1.49	1.61						1.26																1.35		1.59				1.66						7	
29																1.61	1.70		1.49																				3	
30																																								0
31																																								0
Monthly Cl₂ Avg.				1.43																																				
Total Samples				117																																				



Distribution System Monitoring

WSSN 2310

Jan-21

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																1.55			1.59																	2
2																																				0
3																																				0
4	1.49	1.94		1.70	1.92	1.78										1.62	1.50						1.71									1.55			9	
5							2.07	1.38	1.95	1.63											1.81							1.44							6	
6													1.63	1.49	1.89	1.64			1.66					1.92		1.47			1.94	1.94				9		
7	1.64			1.74	1.93					1.68										1.28		1.87			1.82										7	
8												1.91				1.81	1.83		1.52																4	
9																																				0
10																																				0
11	1.57			1.75	1.96	1.44												1.52						1.11								1.59			7	
12							1.96	1.37	1.89	1.68	1.35										1.79							1.53							7	
13													1.64		1.72	1.84			1.87						1.92		1.67			1.86	1.93				8	
14	1.66			1.75	1.93					1.72										1.49		1.87			1.95										7	
15													1.85			1.78	1.82		1.68																4	
16																																				0
17																																				0
18	1.86	1.87		1.73	1.91	1.74												1.48						1.67									1.67			8
19							2.01	1.49	1.93	1.63											1.71							1.70								6
20													1.62	1.73	1.85	1.82			1.66					2.05		1.57			2.03	1.91					9	
21	1.62			1.75	1.91					1.68										1.56		1.86			1.77										7	
22													1.85			1.62	1.81		1.65																4	
23																																				0
24																																				0
25	1.71			1.67	1.79	1.72												1.28						1.39									1.54			7
26							1.99	1.42	1.84	1.64	1.54										1.88						1.50									7
27													1.64	1.43	1.70	1.88		1.68						1.93		1.46			1.93	1.88					9	
28	1.90			1.81	1.92					1.80										1.55		1.93			1.81										7	
29															1.89	1.91		1.62																	3	
30																																				0
31																																				0
Monthly Cl₂ Avg.				1.73																																
Total Samples				117																																



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Jan-21

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:				117						
Total number of routine distribution samples required:				100						