



Fluoridation & Chlorination

WSSN 2310

Jun-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	Chlori ne 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		0.72	0.72		1.27				0.8						1.4	
2		0.72	0.72		1.06				1.1						1.6	
3		0.72	0.73		1.03				1.0						1.6	
4		0.71	0.73		1.03				1.0						1.7	
5		0.73	0.73		1.00				1.0						1.7	
6		0.74	0.74		0.95				1.1						1.6	
7		0.65	0.72		1.15				0.9						1.6	
8		0.78	0.81		1.11				1.0						1.7	
9		0.79	0.81		1.09				0.8						1.6	
10		0.91	0.77		1.12				1.0						1.7	
11		0.75	0.76		1.11				1.0						1.7	
12		0.77	0.79		1.10				1.0						1.6	
13		0.78	0.79		0.99				1.0						1.6	
14		0.73	0.73		1.01				1.1						1.7	
15		0.73	0.75		1.00				1.1						1.7	
16		0.77	0.79		1.08				1.1						1.7	
17		0.74	0.77		0.99				1.1						1.7	
18		0.73	0.74		0.92				1.0						1.6	
19		0.72	0.74		0.95				1.0						1.6	
20		0.75	0.78		0.96				1.1						1.7	
21		0.71	0.71		1.06				1.0						1.7	
22		0.72	0.72		1.07				1.0						1.7	
23		0.72	0.73		1.08				1.1						1.7	
24		0.73	0.73		1.14				1.0						1.7	
25		0.74	0.74		1.18				1.0						1.7	
26		0.75	0.75		1.23				0.9						1.7	
27		0.74	0.76		1.19				0.9						1.7	
28																
29																
30																
31																
AVG			0.75		1.07				1.0						1.6	
MAX			0.81		1.27				1.1						1.7	
MIN			0.71		0.92				0.8						1.4	



Chemical Analyses WSSN 2310 Jun-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	7.42	7.64		106		84		36	0.01	0.01		28.1		8.7		15
2	7.50	7.53		94		78		22	0.0	0.01		28.9		5.3		16
3	7.42	7.61		104		86		34	0.01	0.01		28.1		8.3		15
4	7.42	7.53		102		84		42	0.01	0.01		26.5		10.0		16
5	7.43	7.54	100	104	84	86	30	34	0.01	0.01	28.1	28.1	7.3	8.3	15	15
6	7.44	7.50		102		84		32	0.04	0.02		28.1		7.8		15
7	7.47	7.62		100		84		30	0.01	0.01		28.1		7.3		15
8	7.48	7.67		102		84		32	0.02	0.01		28.1		7.8		15
9	7.45	7.64		104		86		34	0.02	0.01		28.1		8.3		14
10	7.51	7.62		100		78		36	0.01	0.01		25.7		8.7		17
11	7.42	7.58		100		88		36	0	0.00		28.1		8.7		15
12	7.44	7.64	104	104	84	86	38	34	0.01	0.01	26.5	26.5	9.2	9.2	15	14
13	7.45	7.62		100		84		32	0.01	0.01		27.3		7.8		15
14	7.44	7.58		102		86		32	0.02	0.02		28.1		7.8		15
15	7.44	7.60		102		86		32	0.01	0.01		28.1		7.8		16
16	7.47	7.64		104		88		34	0	0.01		28.1		8.3		15
17	7.34	7.62		106		88		40	0.01	0.02		26.5		9.7		15
18	7.47	7.61		102		84		34	0.01	0.00		27.3		8.3		16
19	7.46	7.63	106	104	86	84	36	34	0.01	0.01	28.1	28.1	8.7	8.3	15	16
20	7.48	7.63		106		86		38	0.02	0.01		27.3		9.2		14
21	7.46	7.64		104		88		36	0.01	0.01		27.3		8.7		16
22	7.46	7.67		102		86		36	0.02	0.03		26.5		8.7		15
23	7.53	7.55		96		76		24	0.01	0.01		28.9		5.8		14
24	7.41	7.67		106		88		38	0	0.00		27.3		9.2		14
25	7.42	7.69		106		84		36	0	0.00		28.1		8.7		15
26	7.54	7.61	100	104	74	80	24	30	0.02	0.02	30.5	29.7	5.8	7.3	13	13
27	7.50	7.64		98		76		26	0.01	0.01		28.9		6.3		15
28																
29																
30																
31																
AVG	7.45	7.61		102		84		33		0.01		27.8		8.2		15
MAX	7.54	7.69		106		88		42		0.03		29.7		10.0		17.0
MIN	7.34	7.50		94		76		22		0.00		25.7		5.3		13.0



WSSN 2310

Jun-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	11.9					
2						2/0			0.22	12.3					
3						2/0			0.23	11.3					
4						2/0			0.21	16.0					
5						2/0			0.23	11.4					
6						2/0			0.23	11.8					
7						2/0			0.23	11.4					
8						2/0			0.23	12.2					
9						2/0			0.23	12.6					
10						2/0			0.26	15.5					
11						2/0			0.23	12.5					
12						2/0			0.23	12.7					
13						2/0			0.23	13.2					
14						2/0			0.23	13.3					
15						2/0			0.23	13.1					
16						2/0			0.23	13.4					
17						2/0			0.23	13.7					
18						2/0			0.23	13.9					
19						2/0			0.23	14.1					
20						2/0			0.23	14.0					
21						2/0			0.22	14.0					
22						2/0			0.23	13.9					
23						2/0			0.22	15.8					
24						2/0			0.23	14.1					
25						2/0			0.23	14.3					
26						2/0			0.23	15.7					
27						2/0			0.23	15.6					
28															
29															
30															
31															
AVG									0.23	13.5					
MAX									0.26	16.0					
MIN									0.21	11.3					



Distribution System Monitoring WSSN 2310

Jun-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											1.37					1.63	1.71	1.17	0.68						1.66					1.11	7
2																															0
3																															0
4	1.42	1.25	1.47	1.40	1.84	1.34																		1.41		1.32				8	
5							0.63	1.32	0.73	1.31		1.65	1.51								0.95						1.27			8	
6														1.10	1.25	1.57	1.60	1.31	0.63					1.62				1.70		8	
7	1.30	1.29	1.41	1.39	1.70															1.72		1.34						1.20		8	
8											1.26					1.59	1.70	1.15	1.13						1.72				1.25	7	
9																														0	
10																														0	
11	1.38	1.11	1.48	1.42	1.38	0.58																	1.43			1.37				8	
12							0.59	1.11	0.63	1.29		1.68	1.50								1.11						1.13			8	
13														1.07	1.30	1.55	1.67	1.21	1.13					1.60				1.63		8	
14	1.39	0.88	1.53	1.49	1.92															1.59		1.35						1.32		8	
15											1.43					1.64	1.01	1.04	1.13						1.77				1.31	7	
16																														0	
17																														0	
18	1.23	1.31	1.47	1.46	1.54	1.23																		1.66		1.34				8	
19							1.29	1.74	0.97	1.68		1.54	1.41								1.42						1.26			8	
20														1.62	0.85	1.58	1.72	1.26	0.77					1.58				1.58		8	
21	0.93	1.20	1.43	1.37	1.68																	1.62						1.42		7	
22											1.32					1.57	1.60	1.09	0.44						1.53				0.95	7	
23																														0	
24																														0	
25	1.21	1.38	1.45	1.44	1.65	1.39																		1.25		1.27				8	
26							1.32	1.65	0.90	1.29		1.47	0.97								1.58						0.96			8	
27														1.60	1.18	1.47	1.45	1.16	0.63					1.48				1.45		8	
28																														0	
29																														0	
30																														0	
31																														0	
Monthly Cl₂ Avg.				1.34																											
Total Samples				128																											



Distribution System Monitoring

WSSN 2310

Jun-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											1.55					1.81	1.92	1.34	0.87						2.00						1.37	7				
2																																0				
3																																0				
4	1.63	1.40	1.67	1.66	2.06	1.57																		1.68			1.58					8				
5							0.79	1.67	0.96	1.51		1.87	1.74								1.16						1.54				8					
6														1.28	1.47	1.79	1.82	1.54	0.83						1.86			1.91			8					
7	1.52	1.48	1.66	1.61	2.00															1.96		1.54							1.40		8					
8										1.50						1.79	1.87	1.37	1.31											1.35	7					
9																																0				
10																																0				
11	1.60	1.28	1.70	1.62	1.86	0.75																	1.64			1.57					8					
12							0.76	1.27	0.84	1.50		1.91	1.72								1.28						1.34				8					
13														1.26	1.53	1.78	1.92	1.41	1.35						1.85			1.93			8					
14	1.59	1.23	1.69	1.71	2.10															1.84		1.58							1.61		8					
15										1.66						1.80	1.84	1.24	1.36						2.02					1.50	7					
16																																0				
17																																0				
18	1.44	1.52	1.64	1.72	1.75	1.51																	1.86			1.56					8					
19							1.47	1.94	1.16	1.86		1.77	1.45								1.56						1.47				8					
20														1.88	1.25	1.80	1.92	1.50	0.95					1.85				1.79			8					
21	1.30	1.39	1.63	1.54	1.89																		1.84						1.62		7					
22										1.52						1.75	1.81	1.32	0.59						1.74					1.15	7					
23																																0				
24																																0				
25	1.41	1.54	1.68	1.59	1.91	1.60																	1.44			1.45					8					
26							1.56	1.88	1.11	1.54		1.67	1.16								1.66						1.48				8					
27														1.85	1.43	1.80	1.85	1.35	0.83						1.80			1.71			8					
28																																0				
29																																0				
30																																0				
31																																0				
Monthly Cl₂ Avg.						1.56																														
Total Samples						128																														



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Jun-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:				128						
Total number of routine distribution samples required:				100						