



Fluoridation & Chlorination WSSN 2310 Mar-18

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	
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
1		0.73	0.73		0.97				1.2						1.7
2		0.73	0.72		1.02				1.1						1.7
3		0.72	0.72		0.96				1.1						1.7
4		0.70	0.71		0.81				1.1						1.7
5		0.72	0.73		0.94				1.1						1.8
6		0.78	0.77		0.91				1.1						1.7
7		0.70	0.75		0.92				1.1						1.7
8		0.77	0.79		0.90				1.1						1.7
9		0.79	0.80		0.99				1.1						1.7
10		0.80	0.79		1.00				1.1						1.7
11		0.79	0.78		0.99				1.1						1.7
12		0.78	0.82		0.91				1.1						1.7
13		0.08	0.79		0.91				1.1						1.7
14		0.78	0.80		0.83				1.1						1.5
15		0.79	0.78		0.87				1.1						1.7
16		0.73	0.72		0.90				1.1						1.7
17		0.73	0.73		0.87				1.2						1.7
18		0.72	0.72		0.88				1.1						1.6
19		0.71	0.72		0.84				1.2						1.7
20		0.71	0.72		0.92				1.1						1.7
21		0.74	0.73		0.81				1.2						1.6
22		0.73	0.75		0.88				1.1						1.8
23		0.78	0.76		0.90				1.2						1.8
24		0.75	0.78		0.91				1.1						1.7
25		0.75	0.78		0.90				1.1						1.8
26		0.76	0.77		0.94				1.1						1.7
27		0.74	0.76		0.89				1.1						1.7
28		0.79	0.77		0.96				1.1						1.8
29															
30															
31															
AVG			0.76		0.91				1.1						1.7
MAX			0.82		1.02				1.2						1.8
MIN			0.71		0.81				1.1						1.5



Chemical Analyses WSSN 2310 Mar-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	7.17	7.38		100		82		30	0.02	0.01		28.1		7.3		15
2	7.18	7.49		102		80		34	0.0	0.01		27.3		8.3		15
3	7.18	7.40		100		80		30	0.01	0.01		28.1		7.3		15
4	7.19	7.45		100		82		30	0.01	0.01		28.1		7.3		15
5	7.20	7.51		100		78		28	0.01	0.01		28.9		6.8		13
6	7.42	7.64	100	100	80	80	30	30	0	0.01	28.1	28.1	7.3	7.3	15	15
7	7.19	7.44		102		80		32	0.01	0.01		28.1		7.8		15
8	7.17	7.40		104		82		32	0	0.00		28.9		7.8		15
9	7.16	7.40		100		86		28	0.01	0.01		28.9		6.8		16
10	7.15	7.48		96		78		28	0	0.00		27.3		6.8		14
11	7.50	7.70		96		74		34	0	0.00		24.8		8.3		15
12	7.29	7.49		104		84		32	0.01	0.01		28.9		7.8		16
13	7.17	7.46	104	104	82	86	32	34	0.01	0.01	28.9	28.1	7.8	8.3	15	15
14	7.27	7.40		106		82		36	0	0.00		28.1		8.7		15
15	7.33	7.57		102		78		30	0.02	0.00		28.9		7.3		13
16	7.20	7.61		100		82		28	0.01	0.00		29.7		6.8		16
17	7.61	7.70		102		84		32	0.01	0.01		28.1		7.8		16
18	7.53	7.61		104		78		36	0.01	0.01		26.5		8.7		17
19	7.52	7.69		100		80		28	0.01	0.01		28.9		6.8		15
20	7.41	7.56	104	104	82	84	34	34	0.02	0.01	28.1	28.1	8.3	8.3	15	15
21	7.48	7.64		108		84		38	0.01	0.00		28.1		9.2		15
22	7.37	7.53		104		84		32	0.01	0.01		28.9		7.8		16
23	7.34	7.56		100		84		30	0.01	0.03		28.1		7.3		16
24	7.46	7.68		104		86		34	0	0.00		28.1		8.3		15
25	7.39	7.53		90		78		24	0.01	0.01		26.5		5.8		15
26	7.43	7.55		100		82		30	0	0.00		28.1		7.3		15
27	7.44	7.58	98	98	72	76	32	28	0.01	0.00	28.1	26.5	6.8	7.8	16	16
28	7.40	7.50		104		76		30	0.01	0.02		29.6		7.3		17
29																
30																
31																
AVG	7.33	7.53		101		81		31		0.01		28.1		7.6		15
MAX	7.61	7.70		108		86		38		0.03		29.7		9.2		17.0
MIN	7.15	7.38		90		74		24		0.00		24.8		5.8		13.0



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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	6.3					
2						2/0			0.23	6.4					
3						2/0			0.23	6.4					
4						2/0			0.23	6.1					
5						2/0			0.23	6.1					
6						2/0			0.23	6.2					
7						2/0			0.24	6.3					
8						2/0			0.24	6.0					
9						2/0			0.24	6.3					
10						2/0			0.24	5.8					
11						2/0			0.24	6.4					
12						2/0			0.24	6.4					
13						2/0			0.25	6.0					
14						2/0			0.24	5.7					
15						2/0			0.23	6.0					
16						2/0			0.23	5.9					
17						2/0			0.24	6.5					
18						2/0			0.23	6.0					
19						2/0			0.24	6.1					
20						2/0			0.23	6.0					
21						2/0			0.23	6.0					
22						2/0			0.23	5.9					
23						2/0			0.23	6.0					
24						2/0			0.23	6.0					
25						2/0			0.21	6.3					
26						2/0			0.23	5.6					
27						2/0			0.23	6.6					
28						2/0			0.22	6.5					
29						/									
30						/									
31						/									
AVG									0.23	6.1					
MAX									0.25	6.6					
MIN									0.21	5.6					



Distribution System Monitoring WSSN 2310

Mar-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	28	29	30	21	22	23	24	25				
1	1.61	1.93	1.72	1.74	2.01															1.09								1.66			1.77	7
2																1.72	1.74	1.49	0.88													6
3																																0
4																																0
5	1.51	1.21	1.65	1.43	1.81	1.56																1.51			1.39						8	
6							1.70	1.68	1.69	1.82		1.58	1.72													1.63					7	
7														1.22	1.28	1.77	1.82	1.53	1.41									1.73			8	
8	1.55	1.33	1.70	1.74	1.94															1.67											6	
9											1.59					1.73	1.76	1.36	1.01										1.66		7	
10																															0	
11																																0
12	1.58		1.70	1.69	1.92	1.58																1.61			1.60						7	
13							1.62	1.71	1.18	1.76		1.51	1.67													1.41					7	
14														1.15	1.47	1.76	1.75	1.29	1.03								1.65				8	
15	1.63		1.48	1.58	1.85															1.54							1.52				6	
16											1.53					1.69	1.65	1.39	0.93										1.72		7	
17																																0
18																																0
19	1.53		1.64	1.63	1.88	1.53																1.62			1.47						7	
20							1.68	1.65	1.41	1.73		1.49	1.59													1.45					7	
21														1.20	1.44	1.81	1.79	1.39	0.97												8	
22	1.49	1.31	1.59	1.64	1.86															1.64											6	
23											1.49					1.79	1.70	1.24	1.10											1.68	6	
24																																0
25																																0
26	1.53	1.27	1.66	1.70	1.82	1.46																			1.57						7	
27							1.31	1.70	1.29	1.66		1.52	1.66														1.48				7	
28														1.75	1.42	1.67	1.72	1.38	1.15										1.72		7	
29																																0
30																																0
31																																0
Monthly Cl₂ Avg.				1.57																												
Total Samples				121																												



Distribution System Monitoring

WSSN 2310

Mar-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	28	29	30	21	22		23	24	25	
1	1.83	2.24	1.94	1.94	2.29															1.31									7	
2																1.92	1.96	1.68	1.16									2.08		6
3																														0
4																														0
5	1.72	1.51	1.84	1.60	2.06	1.75																1.89			1.75				8	
6							1.91	1.87	1.89	1.98		1.73	1.91													1.80			7	
7														1.39	1.43	1.99	2.00	1.77	1.71							2.03			8	
8	1.74	1.55	1.91	1.94	2.15																1.82								6	
9											1.84					1.91	2.05	1.58	1.24									2.07	7	
10																													0	
11																													0	
12	1.79		1.92	1.91	2.17	1.82																				1.86			7	
13							1.86	1.97	1.45	1.98		1.77	1.92													1.74			7	
14														1.38	1.62	2.03	1.97	1.47	1.24							1.89			8	
15	1.83		1.84	1.86	2.17																1.76						1.77		6	
16											1.74					1.97	1.97	1.64	1.14									2.07	7	
17																													0	
18																													0	
19	1.74		1.85	1.83	2.13	1.79																				1.82			7	
20							1.88	1.80	1.62	1.90		1.67	1.81														1.64		7	
21														1.32	1.62	2.00	1.84	1.52	1.16								2.01		8	
22	1.73	1.51	1.84	1.76	2.05																								6	
23											1.77					2.03	1.95	1.49	1.31										1.91	6
24																													0	
25																													0	
26	1.74	1.43	1.89	1.91	2.03	1.79																				1.79			7	
27							1.37	1.88	1.47	1.78		1.86	1.85														1.67		7	
28														1.92	1.61	1.85	1.90	1.58	1.38										7	
29																													0	
30																													0	
31																													0	
Monthly Cl₂ Avg.					1.79																									
Total Samples					121																									



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Mar-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:				121						
Total number of routine distribution samples required:				100						