



Fluoridation & Chlorination WSSN 2310 Jan-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	Free
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
1		0.78	0.77		1.13				0.9						1.7
2		0.78	0.79		1.02				1.0						1.7
3		0.83	0.82		1.04				1.2						1.8
4		0.75	0.73		1.12				0.9						1.6
5		0.72	0.70		1.25				0.9						1.7
6		0.68	0.69		0.85				1.3						1.9
7		0.70	0.67		0.82				1.1						1.9
8		0.70	0.70		0.74				1.1						1.7
9		0.68	0.73		0.89				1.2						1.9
10		0.77	0.76		0.91				1.1						1.6
11		0.75	0.79		0.82				1.2						1.6
12		0.77	0.76		0.85				1.2						1.7
13		0.65	0.73		0.92				1.3						1.9
14		0.74	0.75		1.03				1.0						1.6
15		0.71	0.74		0.86				1.2						1.7
16		0.76	0.77		0.88				1.0						1.6
17		0.67	0.69		0.82				1.0						1.6
18		0.77	0.77		0.84				1.1						1.6
19		0.72	0.73		0.91				1.2						1.7
20		0.73	0.72		0.89				1.3						1.9
21		0.71	0.73		0.91				1.1						1.7
22		0.74	0.73		0.92				1.2						1.9
23		0.73	0.72		0.85				1.3						1.8
24		0.75	0.76		0.82				1.3						1.9
25		0.81	0.82		0.69				1.4						1.8
26		0.73	0.73		0.69				1.4						1.9
27		0.73	0.73		0.65				1.4						1.9
28		0.73	0.73		0.86				1.0						1.7
29		0.81	0.81		1.02				0.8						1.7
30		0.71	0.72		0.88				1.3						1.6
31		0.73	0.73		0.99				1.2						1.9
AVG			0.74		0.90				1.1						1.7
MAX			0.82		1.25				1.4						1.9
MIN			0.67		0.65				0.8						1.6



Chemical Analyses WSSN 2310 Jan-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	37.00	38.00	39	40	41	42	43	44
1	7.16	7.51		94		84		24	0.01	0.00		28.1		5.8		9
2	7.32	7.58	98	98	82	84	28.0	28	0.01	0.01	28.1	28.1	6.8	6.8	13.0	15
3	7.46	7.73		98		84		28	0.00	0.00		28.1		6.8		17
4	7.09	7.47		98		86		28	0.00	0.00		28.1		6.8		16
5	7.23	7.53		102		88		32	0.00	0.01		28.1		7.8		14
6	7.40	7.64		100		84		28	0.00	0.00		28.9		6.8		15
7	7.30	7.63		100		84		28	0.02	0.01		28.9		6.8		15
8	7.16	7.49		98		84		26	0.00	0.00		28.9		6.3		17
9	7.40	7.77	100	98	76	84	32	32	0.00	0.00	27.3	26.5	7.8	7.8	15	14
10	7.17	7.54		104		88		30	0.01	0.02		29.7		7.3		16
11	7.27	7.57		104		86		28	0.00	0.00		30.5		6.8		16
12	7.22	7.49		104		86		30	0.01	0.01		29.7		7.3		16
13	7.43	7.68		102		84		30	0.00	0.00		28.9		7.3		15
14	7.32	7.54		104		84		28	0.00	0.00		30.5		6.8		14
15	7.28	7.51		98		82		24	0.03	0.01		29.7		5.8		14
16	7.23	7.50	100	100	76	80	28	30	0.01	0.01	28.9	28.1	6.8	7.8	14	13
17	7.39	7.55		100		82		24	0.00	0.00		30.5		5.8		15
18	7.26	7.54		92		84		20	0.00	0.01		28.9		4.9		14
19	7.26	7.50		102		86		28	0.00	0.00		29.7		6.8		15
20	7.29	7.39		100		82		28	0.01	0.01		28.9		6.8		15
21	7.10	7.40		94		78		26	0.00	0.01		27.3		6.3		14
22	7.22	7.51		96		84		42	0.00	0.01		27.0		10.2		15
23	7.28	7.65	96	98	78	80	26	22	0.01	0.02	28.1	30.5	6.3	5.3	15	15
24	7.27	7.50		100		84		28	0.01	0.01		28.9		6.8		15
25	7.50	7.66		92		84		22	0.01	0.01		28.1		5.3		15
26	7.40	7.60		96		80		24	0.00	0.00		28.9		5.8		15
27	7.34	7.49		98		82		26	0.01	0.02		28.9		6.3		15
28	7.18	7.36		92		78		28	0.01	0.00		25.7		6.8		15
29	7.16	7.44		96		76		26	0.00	0.00		28.1		6.3		16
30	7.34	7.66	84	90	70	76	20	22	0.00	0.01	64	26.5	4.9	5.3	13	13
31	7.23	7.54		92		76		26	0.01	0.01		26.5		6.3		13
AVG	7.28	7.55		98		83		27		0.01		28.6		6.6		15
MAX	7.50	7.77		104		88		42		0.02		30.5		10.2		17.0
MIN	7.09	7.36		90		76		20		0.00		25.7		4.9		9.0



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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			71	72	73	74
			Dort	3MG Well	Sta II	Lab Tap									
	60	61	62	63	64	65									
1						2/0			0.23	8.4					
2						2/0			0.24	8.0					
3						2/0			0.24	8.1					
4						2/0			0.24	7.8					
5						2/0			0.24	7.5					
6						2/0			0.23	9.4					
7						2/0			0.23	9.0					
8						2/0			0.25	7.1					
9						2/0			0.24	9.2					
10						2/0			0.25	7.1					
11						2/0			0.26	8.6					
12						2/0			0.24	9.0					
13						2/0			0.24	9.0					
14						2/0			0.25	5.9					
15						2/0			0.24	6.4					
16						2/0			0.24	5.8					
17						2/0			0.24	6.0					
18						2/0			0.25	5.8					
19						2/0			0.23	8.7					
20						2/0			0.22	8.3					
21						2/0			0.24	6.7					
22						2/0			0.22	7.8					
23						2/0			0.23	8.5					
24						2/0			0.22	9.0					
25						2/0			0.22	9.7					
26						2/0			0.21	9.9					
27						2/0			0.22	8.0					
28						2/0			0.24	6.2					
29						2/0			0.24	5.6					
30						2/0			0.21	6.0					
31						2/0			0.21	9.4					
AVG									0.23	7.8					
MAX									0.26	9.9					
MIN									0.21	5.6					



Distribution System Monitoring WSSN 2310

Jan-18

DATE	Free Chlorine Residual at Bacteriological Monitoring Stations 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	21	22	23	24	25					
1																										0				
2							1.50	1.74	1.14	1.69		1.51	1.58													6				
3														1.22	1.25	1.60	1.64	1.39	0.81				1.54			7				
4	1.40	1.32	1.55	1.54	1.77	1.15														1.40				1.61		8				
5															1.70	1.69	1.43	1.13							1.59	5				
6																										0				
7																										0				
8	1.51	1.30	1.69	1.69	1.89	1.48															1.49					7				
9							1.54	1.72	1.21	1.66		1.54	1.52									1.51				7				
10														1.38	1.31	1.74	1.89	1.47	1.27				1.65			7				
11	1.49	1.34	1.67	1.66	1.87															1.62				1.66		7				
12												1.70	1.66	1.77	1.26										1.67	5				
13																										0				
14																										0				
15	1.61		1.67	1.74	1.90	1.70															1.54					6				
16							1.50	1.77	1.22	1.78		1.47	1.72							1.32			1.26			8				
17																	1.83	1.61	1.50	1.69	1.32				1.72	6				
18	1.47	1.37	1.73	1.68	1.77																1.63				1.61	7				
19																1.53	1.72	1.43	1.40							4				
20																										0				
21																										0				
22	1.48	1.39	1.65	1.65	1.76	1.59																1.59				7				
23							1.62	1.68	1.41	1.73		1.35	1.71													6				
24														1.74	1.57	1.40	1.77	1.36	1.41					1.50		7				
25	1.55	1.02	1.71	1.73	1.83															1.59					1.70	7				
26												1.71	1.66	1.81	1.23							1.36				5				
27																										0				
28																										0				
29	1.57	0.56	1.70	1.69	1.90	1.56																1.35				7				
30							1.45	1.77	1.11	1.82		1.54	1.68										1.58			7				
31																1.80	1.47	1.65	1.44	1.47	1.23				1.62	7				
Monthly Cl₂ Avg.				1.55																										
Total Samples				120																										



Distribution System Monitoring

WSSN 2310

Jan-18

DATE	Total Chlorine Residual at Bacteriological Monitoring Stations 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	21	22	23	24	25					
1																										0				
2							1.73	1.93	1.32	1.94		1.70	1.79													6				
3														1.46	1.56	1.82	1.90	1.60					1.74			6				
4	1.72	1.52	1.81	1.78	2.04	1.71														1.62				1.80		8				
5															1.94	1.96	1.66	1.33							1.77	5				
6																										0				
7																										0				
8	1.70	1.40	1.92	1.91	2.09	1.77															1.71					7				
9							1.72	1.91	1.34	1.87		1.77	1.66									1.74				7				
10														1.54	1.52	1.95	2.07	1.67	1.49				1.79			7				
11	1.67	1.47	1.81	1.78	2.04															1.74				1.79		7				
12												1.96	1.86	1.90	1.47										1.87	5				
13																										0				
14																										0				
15	1.81		1.89	1.95	2.10	1.91															1.73					6				
16							1.62	1.96	1.39	1.97		1.66	1.93						1.51			1.43				8				
17														2.06	1.88	1.70	1.90	1.57					1.96			6				
18	1.67	1.52	1.94	1.86	1.96															1.75				1.86		7				
19															1.72	1.95	1.62	1.59								4				
20																										0				
21																										0				
22	1.61	1.50	1.82	1.84	1.98	1.68															1.76					7				
23							1.73	1.98	1.59	1.88		1.55	1.90													6				
24														1.97	1.78	1.52	1.97	1.52	1.59				1.64			7				
25	1.74	1.50	1.93	1.95	2.03															1.68				1.79		7				
26												1.83	1.80	1.91	1.51						1.48					5				
27																										0				
28																										0				
29	1.72	0.63	1.89	1.84	2.07	1.74															1.74					7				
30							1.69	2.00	1.32	1.97		2.02	1.83								1.79					7				
31														1.92	1.62	1.83	1.77	1.65	1.41				1.73			7				
Monthly Cl₂ Avg.				1.75																										
Total Samples				142																										



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Jan-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:				124						
Total number of routine distribution samples required:				100						