



Fluoridation & Chlorination

WSSN 2310

Nov-17

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 OCI ⁻	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		0.81		1.48				0.8						1.7	
2		0.78		1.43				0.8						1.6	
3		0.78		1.35				0.8						1.7	
4		0.78		1.35				0.8						1.7	
5		0.78		1.39				0.8						1.7	
6		0.78		1.33				0.8						1.7	
7		0.72		1.27				0.8						1.6	
8		0.71		1.30				0.8						1.8	
9		0.74		1.28				0.8						1.7	
10		0.67		1.16				0.8						1.6	
11		0.69		1.26				0.9						1.8	
12		0.71		1.19				0.9						1.7	
13		0.75		1.23				0.8						1.6	
14		0.72		1.29				0.9						1.7	
15		0.74		1.20				0.9						1.6	
16		0.77		1.33				0.9						1.7	
17		0.82		1.56				0.7						1.6	
18		0.74		1.38				0.8						1.7	
19		0.75		1.47				0.9						1.8	
20		0.76		1.37				0.9						1.7	
21		0.79		1.11				0.9						1.7	
22		0.79		1.16				0.8						1.7	
23		0.79		1.07				0.9						1.7	
24		0.72		1.17				0.9						1.7	
25		0.78		1.36				0.7						1.6	
26		0.78		1.16				1.0						1.8	
27		0.81		1.15				0.9						1.7	
28		0.82		1.36				0.8						1.7	
29		0.81		1.30				0.8						1.7	
30		0.82		1.30				0.8						1.6	
AVG		0.76		1.29				0.8						1.7	
MAX		0.82		1.56				1.0						1.8	
MIN		0.67		1.07				0.7						1.6	



Chemical Analyses WSSN 2310 Nov-17

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	39	40	41	42	43	44
1	7.40	7.64		98		88		24		0.00		29.7		5.8		15
2	7.34	7.73		98		86		28		0.00		28.1		6.8		14
3	7.37	7.74		100		86		32		0.00		27.3		7.8		15
4	7.41	7.63		94		84		28		0.00		26.5		6.8		16
5	7.41	7.64		100		82		34		0.00		26.5		8.3		17
6	7.46	7.70		98		76		26		0.00		28.9		6.3		25
7	7.45	7.61	102	100	80	90	32	28	0.00	0.00	28.1	28.9	7.8	6.8	17	18
8	7.46	7.67		98		88		30		0.00		27.3		7.3		16
9	7.46	7.79		98		86		28		0.00		28.1		6.8		17
10	7.41	7.58		98		84		28		0.02		28.1		6.8		18
11	7.43	7.70		98		82		34		0.00		25.7		8.3		13
12	7.41	7.64		94		74		32		0.01		24.9		7.8		14
13	7.40	7.62		100		90		34		0.01		26.5		8.3		16
14	7.39	7.65	98	96	80	96	26	26	0.00	0.02	28.9	28.1	6.3	6.3	16	16
15	7.28	7.61		100		86		32		0.01		27.3		7.8		19
16	7.14	7.45		108		84		40		0.00		27.3		9.7		16
17	7.26	7.69		96		86		24		0.00		28.9		5.8		20
18	7.30	7.55		92		76		28		0.01		25.6		6.8		14
19	7.36	7.64		92		66		26		0.01		26.5		6.3		14
20	7.33	7.57		98		84		28		0.00		28.1		6.8		15
21	7.28	7.64	100	96	82	84	32	24	0.00	0.00	27.3	28.9	7.8	5.8	16	16
22	7.32	7.70		98		84		28		0.00		28.1		6.8		15
23	7.32	7.80		100		94		32		0.00		27.3		7.8		17
24	7.33	7.64		98		86		26		0.00		28.9		6.3		15
25	7.38	7.65		96		80		28		0.00		27.3		6.8		12
26	7.31	7.56		92		94		30		0.00		24.9		7.3		13
27	7.23	7.65		98		84		28		0.00		28.1		6.8		18
28	7.24	7.67	98	100	80	86	30	30	0.00	0.00	27.3	28.1	7.3	7.3	14	15
29	7.21	7.55		102		86		32		0.01		28.1		7.8		13
30	7.33	7.61		98		86		28		0.00		28.1		6.8		14
AVG	7.35	7.64		98		85		29		0.00		27.5		7.1		16
MAX	7.46	7.80		108		96		40		0.02		29.7		9.7		25.0
MIN	7.14	7.45		92		66		24		0.00		24.9		5.8		12.0



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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	2/0			0.23	15.3					
2					2/0	2/0			0.23	15.6					
3					2/0	2/0			0.23	15.7					
4					2/0	2/0			0.22	15.9					
5					2/0	2/0			0.23	17.0					
6					2/0	2/0			0.24	15.7					
7					2/0	2/0			0.24	15.1					
8					2/0	2/0			0.23	15.3					
9					2/0	2/0			0.23	15.7					
10					2/0	2/0			0.23	14.8					
11					2/0	2/0			0.22	14.3					
12					2/0	2/0			0.23	14.2					
13					2/0	2/0			0.23	14.6					
14					2/0	2/0			0.24	14.9					
15					2/0	2/0			0.24	13.5					
16					2/0	2/0			0.23	13.2					
17					2/0	2/0			0.25	13.6					
18					2/0	2/0			0.22	13.4					
19					2/0	2/0			0.22	12.7					
20					2/0	2/0			0.23	12.8					
21					2/0	2/0			0.24	12.9					
22					2/0	2/0			0.24	12.3					
23					2/0	2/0			0.24	12.2					
24					2/0	2/0			0.23	12.3					
25					2/0	2/0			0.22	12.6					
26					2/0	2/0			0.22	12.0					
27					2/0	2/0			0.24	11.5					
28					2/0	2/0			0.24	11.9					
29					2/0	2/0			0.24	11.8					
30					2/0	2/0			0.23	11.5					
AVG									0.23	13.8					
MAX									0.25	17.0					
MIN									0.22	11.5					



Distribution System Monitoring

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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														1.47	0.84	1.44	1.46	0.97	0.46					1.39			7				
2	1.20	1.31	1.39	1.32																	0.86				1.32		6				
3												1.31	1.43	0.89	1.18											1.48	5				
4																											0				
5																											0				
6	1.22	1.08	1.34	1.31	1.51	0.57															1.03						7				
7							1.24	1.40	0.88	0.84		0.83	1.14										1.51				7				
8														1.51	1.24	1.60	1.51	1.05	0.58					1.54			7				
9						1.17	1.42	1.59	1.06	1.53															1.53		6				
10																1.61	1.67	1.25	0.68								4				
11																											0				
12																											0				
13	1.35	1.27	1.42	1.42	1.77	1.01																1.17					7				
14							1.33	1.56	0.96	1.53		0.79	1.34														6				
15														0.77	0.98	1.58	1.54	1.21	0.69						1.43		7				
16	1.22	1.27	1.52	1.49	1.43																1.05						6				
17												1.18	1.28	1.06	0.70											1.23	5				
18																											0				
19																											0				
20	1.25	1.10	1.40	1.39	1.51	0.84															1.16						7				
21							1.44	1.55	1.23	1.56		1.39	1.21														7				
22														0.94	0.94	1.57	1.61	1.14	1.18					1.54			7				
23																											0				
24																1.49	1.68	1.21								1.42	4				
25																											0				
26																											0				
27	1.28	1.31	1.52	1.42	1.90	1.41																					6				
28							1.36	1.59	1.63	1.60		1.03	1.34											1.38			7				
29														0.93	1.36	1.33	1.64	1.25	0.90					1.60			7				
30	1.32	1.32	1.55	1.49	1.87																1.17				1.41		7				
Monthly Cl₂ Avg.						1.29																									
Total Samples						132																									



Distribution System Monitoring

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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														1.68	1.07	1.58	1.67	1.20	0.62				1.56			7				
2	1.39	1.47	1.58	1.54	1.54															0.97				0.98		7				
3												1.49	1.63	1.03	1.40										1.63	5				
4																										0				
5																										0				
6	1.37	1.32	1.48	1.50	1.82	0.75															1.22					7				
7							1.45	1.64	1.07	0.98		1.00	1.34										1.67			7				
8														1.77	1.39	1.79	1.70	1.20	0.73				1.75			7				
9						1.26	1.53	1.75	1.27	1.70														1.63		6				
10																1.84	1.87	1.41	0.86							4				
11																										0				
12																										0				
13	1.46	1.40	1.55	1.54	1.89	1.12																				6				
14							1.47	1.67	1.06	1.63		0.92	1.45													6				
15														0.93	1.12	1.75	1.63	1.33	0.81				1.54			7				
16	1.34	1.38	1.65	1.72	1.60															1.17						6				
17												1.30	1.41	1.21	0.83										1.42	5				
18																										0				
19																										0				
20	1.44	1.21	1.53	1.50	1.65	0.94															1.29					7				
21							1.57	1.73	1.35	1.70		1.55	1.36										1.62			7				
22														1.12	1.11	1.69	1.81	1.33	1.36				1.63			7				
23																										0				
24															1.70	1.83	1.35								1.52	4				
25																										0				
26																										0				
27	1.43	1.47	1.73	1.66	2.01	1.56																				6				
28							1.52	1.73	1.76	1.76		1.27	1.51									1.52				7				
29																										7				
30	1.46	1.45	1.69	1.63	2.00									1.05	1.57	1.66	1.83	1.39	1.17		1.33		1.74	1.59		7				
Monthly Cl₂ Avg.				1.45																										
Total Samples				132																										

