



Fluoridation & Chlorination

WSSN 2310

Apr-16

D A T E	Fluoride Applied F ⁻ mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l								
						Chlorine (prior to filtration) mg/L OCI ⁻	Post Chlorine mg/L		Sta II	Dort	3MG Well	Tap				
		Free	Free	Free						Free						
		Raw	Tap	Dist	18	19	20	21	22	23	24	25	26	27	28	
1			0.76						0.9						0.8	
2			0.75						0.9						0.9	
3			0.70						0.9						0.9	
4			0.73						1.0						0.9	
5			0.73						0.9						0.9	
6			0.73						1.0						0.8	
7			0.72						0.9						0.8	
8			0.66						1.0						0.9	
9			0.68						1.0						0.8	
10			0.71						1.0						0.9	
11			0.67						0.8						0.8	
12			0.67						0.8						0.8	
13			0.68						0.8						0.8	
14			0.67						0.9						0.9	
15			0.64						1.0						0.9	
16			0.66						0.9						0.9	
17			0.71						1.0						0.9	
18			0.71						0.9						0.9	
19			0.67						0.9						0.9	
20			0.70						1.0						0.8	
21			0.69						.11						0.9	
22			0.67						1.0						0.9	
23			0.69						1.0						0.9	
24			0.71						1.0						0.9	
25			0.67						0.9						0.8	
26			0.69						1.0						0.8	
27			0.69						0.8						0.8	
28			0.64						0.9						0.9	
29			0.66						0.8						0.8	
30			0.65						0.7						0.8	
AVG			0.69						0.9						0.8	
MAX			0.76						1.0						0.9	
MIN			0.64						0.7						0.8	



Chemical Analyses

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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	39	40	41	42	43	44
1	7.29	7.19		100		70		30		0.01		32.9		4.4		11
2	7.35	7.20		98		70		28		0.01		36.1		1.9		11
3	7.27	7.19		100		70		30		0.01		36.1		2.4		11
4	7.27	7.16		100		68		32		0.01		38.5		1.0		12
5	7.25	7.17		100		70		30		0.01		33.7		3.9		12
6	7.32	7.21		98		70		28		0.01		31.5		4.9		11
7	7.30	7.20		100		68		32		0.00		38.5		0.9		11
8	7.26	7.21		98		68		30		0.02		38.5		0.5		11
9	7.28	7.18		98		68		30		0.01		32.9		3.9		10
10	7.26	7.20		98		70		28		0		32.1		4.4		11
11	7.18	7.15		98		66		32		0.01		34.5		3.0		11
12	7.20	7.11		102		68		34		0.01		34.5		3.9		10
13	7.24	7.12		98		68		30		0.01		32.9		3.9		11
14	7.27	7.12		102		68		34		0.01		32.9		4.9		12
15	7.17	7.11		98		68		30		0.01		32.9		3.9		11
16	7.35	7.15		98		68		30		0.01		36.9		1.5		10
17	7.12	7.29		98		68		30		0.02		31.3		4.9		12
18	7.24	7.10		102		68		34		0.02		32.9		4.9		13
19	7.28	7.15		102		68		34		0.01		33.7		4.4		12
20	7.20	7.14		98		68		30		0.02		31.3		4.9		11
21	7.28	7.15		102		68		34		0.02		32.9		4.9		11
22	7.26	7.15		98		68		30		0.04		32.1		4.4		10
23	7.29	7.15		98		66		32		0.03		30.5		5.3		11
24	7.22	7.14		96		68		28		0.02		32.1		3.9		11
25	7.21	7.22		96		68		28		0.03		32.9		3.4		11
26	7.32	7.21		98		70		28		0.03		34.5		2.9		11
27	7.35	7.24		100		72		28		0.02		33.7		3.9		12
28	7.35	7.23		98		72		26		0.02		32.1		4.4		11
29	7.37	7.28		98		70		28		0.02		31.3		4.9		11
30	7.37	7.26		100		72		28		0.03		33.7		3.9		10
AVG	7.27	7.18		99		69		30		0.02		33.7		3.7		11.1
MAX	7.37	7.29		102		72		34		0.04		38.5		5.3		13.0
MIN	7.12	7.10		96		66		26		0.00		30.5		0.5		10.0



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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	2/0			0.22	13.5					
2					2/0	2/0			0.19	9.2					
3					2/0	2/0			0.19	7.5					
4					2/0	2/0			0.19	7.4					
5					2/0	2/0		< 2	0.19	7.6					
6					2/0	2/0			0.19	10.3					
7					2/0	2/0			0.19	11.6					
8					2/0	2/0			0.19	11.3					
9					2/0	2/0			0.19	11.1					
10					2/0	2/0			0.15	10.8					
11					2/0	2/0			0.19	9.0					
12					2/0	2/0			0.15	10.6					
13					2/0	2/0		< 2	0.15	11.0					
14					2/0	2/0		< 2	0.15	10.9					
15					2/0	2/0			0.15	9.3					
16					2/0	2/0			0.21	8.6					
17					2/0	2/0			0.19	9.4					
18					2/0	2/0			0.19	8.6					
19					2/0	2/0		< 2	0.21	9.8					
20					2/0	2/0		< 2	0.21	10.7					
21					2/0	2/0			0.21	11.0					
22					2/0	2/0		< 2	0.21	11.5					
23					2/0	2/0			0.21	11.3					
24					2/0	2/0			0.19	10.4					
25					2/0	2/0			0.19	10.6					
26					2/0	2/0		< 2	0.21	11.9					
27					2/0	2/0			0.21	11.1					
28					2/0	2/0			0.21	10.8					
29					2/0	2/0			0.21	10.8					
30					2/0	2/0			0.21	11.3					
											10.3				
											13.5				
											7.4				



Distribution System Monitoring WSSN 2310 Apr-16

D A T E	Free Chlorine Residual at Bacteriological Monitoring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WR	Number of Samples
1											0
2											0
3											0
4											0
5	0.90	1.00	0.80	0.90	0.80	0.40	0.80	0.90	1.60	2.20	10
6	0.80	0.70	0.80	0.64	0.66	0.30	0.64	0.79	1.50	1.99	10
7	0.79	0.50	0.76	0.68	0.61	0.25	0.62	0.76	1.30	2.00	10
8											0
9											0
10											0
11	0.75	0.66	0.64	0.87					1.00		5
12					0.54	0.25	0.66	0.80		1.96	5
13	0.90	0.80	0.60	0.80					1.20		5
14					0.60	0.30	0.70	0.80		2.20	5
15	0.80	0.80	0.70	0.80					1.20		5
16											0
17											0
18					0.53	0.27	0.70	0.80		2.06	5
19	0.85	0.73	0.78	0.69					1.05		5
20					0.52	0.58	0.68	0.73		2.11	5
21	0.87	0.67	0.75	0.68	0.58	0.23	0.73	0.81	0.74	1.84	10
22											0
23											0
24											0
25											0
26	0.82	0.54	0.60	0.92	0.68	0.30	0.74	0.75	0.97	2.55	10
27	0.82	0.59	0.71	0.69	0.56	0.28	0.72	0.78	1.28	2.46	10
28	0.77	0.61	0.65	0.60	0.52	0.29	0.63	0.75	1.18	2.39	10
29											0
30											0
Monthly Cl₂ Avg.				0.871							
Total Samples				110							



Distribution System Monitoring WSSN 2310 Apr-16

D A T E	Total Chlorine Residual at Bacteriological Monitoring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WR	Number of Samples
1											0
2											0
3											0
4											0
5	1.10	1.20	1.00	1.10	1.00	0.60	1.00	1.10	1.80	2.40	10
6	1.00	0.90	1.00	0.78	0.73	0.43	0.75	0.94	1.70	2.23	10
7	0.98	0.77	0.86	0.78	0.80	0.39	0.80	0.99	1.42	2.21	10
8											0
9											0
10											0
11	0.91	0.74	0.79	1.10					1.17		5
12					0.64	0.37	0.75	0.88		2.19	5
13	1.00	1.00	0.80	1.00					1.40		5
14					0.80	0.40	0.90	1.00		2.30	5
15	1.00	1.00	0.80	1.10					1.40		5
16											0
17											0
18					0.70	0.37	0.78	0.94		2.28	5
19	1.06	0.90	0.89	0.89					1.25		5
20					0.63	0.70	0.79	0.89		2.21	5
21	1.04	0.78	0.87	0.82	0.78	0.30	0.82	1.02	0.91	2.03	10
22											0
23											0
24											0
25											0
26	0.95	0.69	0.70	1.10	0.82	0.37	0.87	0.94	1.09	2.71	10
27	0.96	0.78	0.85	0.79	0.75	0.36	0.83	0.93	1.38	2.48	10
28	0.94	0.74	0.82	0.80	0.65	0.39	0.74	0.93	1.37	2.44	10
29											0
30											0
Monthly Cl₂ Avg.				1.027							
Total Samples				110							



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Apr-16

Total number of positive routine samples:				Total Coliform: <u>1</u>		Fecal Coliform: <u>0</u>	
Date	Monitoring Station	Total Coliform	Fecal Coliform	Date	Retest of Station, Upstream & Downstream	Total Coliform	Fecal Coliform
4/26/2016	Liquor Palace	POS	NEG	4/27/2016	Liquor Palace	NEG	NEG
				4/27/2016	Mattress Savers	NEG	NEG
				4/27/2016	Premier Insurance	NEG	NEG
Total number of routine distribution samples analyzed:				110			
Total number of routine distribution samples required:				100			