

## Testing Results for City of La Cygne

Microbiological	Result	MCL	MCLG	Typical Source
COLIFORM, TOTAL (TCR)	In the month of July, 5 sample(s) returned as positive	MCL: Systems that Collect Less Than 40 Samples per Month - No more than 1 positive monthly sample	0	Naturally present in the environment

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
ATRAZINE	5/8/2006	5	0.48 - 5	ppb	3	3	Runoff from herbicide used on row crops
BARIUM	2/14/2006	0.075	0.075	ppm	2	2	Discharge from metal refineries
CHROMIUM	2/14/2006	1.4	1.4	ppb	100	100	Discharge from steel and pulp mills
FLUORIDE	2/14/2006	0.21	0.21	ppm	4	4	Natural deposits; water additive which promotes strong teeth
TURBIDITY	3/17/2004	0.26	0.26	NTU	1		Soil runoff
XYLENES	5/16/2005	0.0036	0.0036	ppm	10	10	Discharge from petroleum factories; Discharge from chemical factories

Disinfection Byproducts	Monitoring Period	Highest RAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	2006	51	15 - 100	ppb	60	0	By-product of drinking water disinfection
TOTAL TRIHALOMETHANES (TTHM)	2006	77	11 - 90	ppb	80	0	By-product of drinking water chlorination

Lead and Copper	Monitoring Period	90 <sup>TH</sup> Percentile	Range	Unit	AL	Sites Over AL	Typical Source
COPPER	2002 - 2004	0.0516	0.0019 - 0.0643	ppm	1.3	0	Corrosion of household plumbing systems
LEAD	2002 - 2004	1.9	1.3 - 4	ppb	15	0	Corrosion of household plumbing systems

Secondary Contaminants	Collection Date	Highest Value	Range	Unit	SMCL
ALKALINITY, TOTAL	4/10/2006	194	101 - 194	MG/L	300
ALUMINUM	2/14/2006	0.15	0.15	MG/L	0.05
CALCIUM	2/14/2006	53	53	MG/L	200
CARBON, TOTAL ORGANIC (TOC)	1/16/2006	9.7	3.1 - 9.7	ppm	10000
CHLORIDE	2/14/2006	20	20	MG/L	250
CONDUCTIVITY	2/14/2006	410	410	UMHOS/CM	1500
CORROSIVITY	2/14/2006	0.23	0.23	LANG	0
HARDNESS, TOTAL (AS CaCO <sub>3</sub> )	2/14/2006	160	160	MG/L	400
MAGNESIUM	2/14/2006	7.6	7.6	MG/L	150
METOLACHLOR	5/8/2006	0.99	0.99	ppb	
NICKEL	2/14/2006	0.0015	0.0015	MG/L	0.1
PH	2/14/2006	7.9	7.9	PH	8.5
POTASSIUM	2/14/2006	3.7	3.7	MG/L	100
SODIUM	2/14/2006	18	18	MG/L	100
SOLIDS, TOTAL DISSOLVED (TDS)	2/14/2006	230	230	MG/L	500
SULFATE	2/14/2006	28	28	MG/L	250

During the 2006 calendar year, we had the below noted violation(s) of drinking water regulations.

Total Coliform (TCR) – maximum contaminant level (MCL) violation July 2006.

Some people who drink water containing methoxychlor in excess of the MCL over many years could experience reproductive difficulties.

Some people who drink water containing atrazine well in excess of the MCL over many years could experience problems with their cardiovascular system or reproductive difficulties.

Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.