

## Contaminants Detected

### Inorganic Contaminants

Date	Contaminant	MCL	MCLG	Units	Result	Minimum	Maximum	Above AL # Repeats	Violations	Likely Sources
7/17/2008	Antimony	6	6	ug/l	0.27	0	0.4	0	NO	Discharge from petroleum refineries; fire retardants; ceramic; electronics; solder.
7/17/2008	Arsenic	10	10	ug/l	0.27	ND	0.8	0	NO	Erosions of natural deposits; Runoff from orchards, glass and electronics production wastes.
7/17/2008	Barium	2	2	mg/l	0.17	0.14	0.22	0	NO	Discharge of drilling wastes; Discharge from metal refineries; erosion of natural deposits.
7/17/2008	Beryllium	4	4	ug/l	0.97	ND	2.9	0	NO	Discharge from metal refineries and coal burning factories; discharge from electrical, aerospace and defense industries.
7/17/2008	Chromium	100	100	ug/l	2.8	1.4	4	0	NO	Discharge from steel and pulp mills; erosion of natural deposits.
Valid Until 12/31/10	Copper (90th Percentile)	1.3 (AL)	1.3	mg/l	0.984			0	NO	Erosion of natural deposits; Leaching from wood preservatives; corrosion of household plumbing systems.
8/27/2007	Fluoride	4	4	mg/l	0.773	0.68	0.84	0	NO	Erosion of natural deposits; Water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Valid Until 12/31/10	Lead (90th Percentile)	15	0	ug/l	1.3			0	NO	Erosion of natural deposits; corrosion of household plumbing systems.
3/10/10	Nitrate (as N)	10	10	mg/l	0.207	0.109	0.316	0	NO	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion from natural deposits.
8/27/2007	Nitrate + Nitrite (as N)	10	10	mg/l	0.078	ND	0.183		NO	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion from natural deposits.
8/27/2007	Nitrite (as N)	1	1	mg/l	0.03	ND	0.05	0	NO	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion from natural deposits.

### Disinfection By-products & Precursors

2010	Total Haloacetic Acids (HAA5)	60		ug/l	19.2	1.8	43.2	0	NO	By-product of drinking water chlorination
2010	Total Trihalomethanes (TTHM)	80		ug/l	9.03	4.0	11.6	0	NO	By-product of drinking water chlorination

### Radiological Contaminants

7/16/2008	Nickel	NA	100	ug/l	1	ND	3	0	NO	Erosion of natural deposits.
7/17/2008	Sodium	N/A		mg/l	21.16	14.86	24.62	0	NO	Erosion of natural deposits.
4/1/2005	Sulfate	N/A		mg/l	39.13	36.6	40.6	0	NO	

### Residual Disinfectant

2010	Chlorine Residual	4 MRDL		mg/l	1.96	.87	4.27	0	NO	Water additive (disinfectant) used to control microbiological organisms.
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### Hardness

The hardness of Lawrence Water depends on the area where the service is located. Hardness can range from 20 gpg (grains per gallon) to 22 gpg. For specific information for your service address, please call the business office to speak with someone about any questions.