



Goal 5: Environmental Protection and Enhancement

Desired Community Condition: **Air, land, and water systems protect health and safety.**



Indicator: **Water Quality**

Progress Rating: Local Trend: **STABLE** National Comparison: **NOT APPLICABLE**

Indicator Description

This indicator shows the levels of contaminant in the City’s drinking water. The Federal Safe Drinking Water Act sets standards for drinking water, establishing maximum contaminant levels for 83 contaminants. The indicator shows the City-wide average and City-wide range contaminant levels in the City water service area. Samples were taken from 1997 through 2003. Since the water supply is currently taken from wells, contaminants are primarily from erosion of volcanic deposits and decay of natural deposits.

Why is this indicator important?

Healthy communities require good quality drinking water. This indicator, backed by the Water Quality Report, provides residents with a way to make informed decisions about their drinking water. The report informs customers about the source of their drinking water, its delivery, and the importance of source water protection. The report is also a tool to enhance the dialogue between customers and the water utility.

Data Sources

City of Albuquerque Public Works Department, Water Utility Division

What can we tell from the data?

- Drinking water provided by the Water Utility Division has met all federal drinking water quality standards for the past 29 years.
- All contaminants are well below maximum contaminant levels.

Regulated Substances Detected:

Substance	Maximum Contaminant Level (MCL)	City-Wide Average	City-Wide Range
Arsenic	50 parts per billion until January 23, 2006. Thereafter, the MCL is 10 parts per billion.	13 parts per billion	2 - 35 parts per billion
Barium	2 parts per million	ND	ND - 0.2 parts per million
Chromium	100 parts per billion	2 parts per billion	ND - 17 parts per billion
Nitrate & Nitrite	10 parts per million	0.7 parts per million	ND - 2.3 parts per million
Total Xylenes	10 parts per million	ND	ND - 0.0008 parts per million
Di(2-ethylhexyl)phthalate	6 parts per billion	ND	ND - 2.3 parts per billion
Fluoride	4 parts per million	0.9 parts per million	0.4 - 1.4 parts per million
Gross Alpha Particle Activity	15 picoCuries per liter	2.4 picoCuries per liter	1.0 - 4.2 picoCuries per liter
Radium 226	5 picoCuries per liter	0.01 picoCuries per liter	ND - 0.03 picoCuries per liter
		Minimum Detection	Maximum Detection
Total Coliform Bacteria	Presence of coliform bacteria in greater than or equal to 5% of monthly samples	No Detection	1 sample of 214 samples or 0.5% of samples
Total Trihalomethanes	100 parts per billion Annual Running Average	5.1 parts per billion	ND - 17.1 parts per billion
		90th Percentile Value	Sites Not Meeting Standard
Lead	Exceeds Action Level if 90th Percentile Value is greater than 15 parts per billion	Zero	None
Copper	Exceeds Action Level if 90th Percentile Value is greater than 1.3 parts per million	0.2 parts per million	None

Regulated Substances we test for and have not detected:

Antimony	Chlordane	Dioxin (2,3,7,8-TCDD)	Polychlorinated biphenyls (PCBs)
Asbestos	Chlorobenzene	Diquat	Pentachlorophenol
Beryllium	2,4-D	Endothall	Picloram
Cadmium	Dalapon	Endrin	Simazine
Cyanide	1,2-Dibromo-3-chloropropane (DBCP)	Ethylbenzene	Styrene
Mercury	Di(2-ethylhexyl) adipate	Ethylene dibromide	Tetrachloroethylene
Selenium	o-Dichlorobenzene	Glyphosate	Toluene
Thallium	p-Dichlorobenzene	Heptachlor	Toxaphene
Fecal coliform / E. Coli	1,2-Dichloroethane	Heptachlor epoxide	2,4,5-TP (Silvex)
Alachlor	1-1-Dichloroethylene	Hexachlorobenzene	1,2,4-Trichlorobenzene
Atrazine	cis-1,2-Dichloroethylene	Hexachlorocyclopentadiene	1,1,1-Trichloroethane
Benzene	trans-1,2-Dichloroethylene	Lindane	1,1,2-Trichloroethane
Benzo(a)pyrene	Dichloromethane	Methoxychlor	Trichloroethylene
Carbofuran	1-2-Dichloropropane	Oxamyl (Vydate)	Vinyl chloride
Carbon tetrachloride	Dinoseb		

Unregulated Substances we test for and have not detected:

Acetochlor	m Dichlorobenzene	p Isopropyltoluene
Aldicarb	Dichlorodifluoromethane	Linuron
Aldicarb sulfone	4,4-Dichlorodiphenyldichloroethylene (4,4-DDE)	Methomyl
Aldicarb sulfoxide	1,1-Dichloroethane	Methyl-t-butyl ether (MTBE)
Aldrin	2,2 Dichloropropane	2-Methyl-phenol
Bromobenzene	1,3 Dichloropropane	Metolachlor
Bromochloromethane	1,1 Dichloropropene	Metribuzin
Bromodichloromethane	1,3 Dichloropropene	Molinate
Bromoform	2,4 Dichlorophenol	Naphthalene
Bromomethane (methyl bromide)	Dieldrin	Nitrobenzene
Butachlor	DBPA mono-acid degradate	Perchlorate
n Butylbenzene	DBPA di-acid degradate	Prometon
sec Butylbenzene	2,4-Dinitrotoluene	Propachlor
tert Butylbenzene	2,6-Dinitrotoluene	n Propylbenzene
Carbaryl	2,4-Dinitrophenol	Terbacil
Chlorol Hydrate	1,2-Diphenylhydrazine	Terbufos
Chloroethane	Disulfoton	1,1,1,2 Tetrachloroethane
Chloroform	Diuron	1,1,2,2 Tetrachloroethane
Chloromethane	s-Ethyl-dipropylthiocarbamate (EPTC)	1,2,3 Trichlorobenzene
o Chlorotoluene	Fluorotrichloromethane	2,4,6-Trichlorophenol
p Chlorotoluene	Fonofos	1,2,3 Trichloropropane
Diazinon	Hexachlorobutadiene	1,2,4 Trimethylbenzene
Dibromomethane	3 Hydroxycarbofuran	1,3,5 Trimethylbenzene
Dicamba	Isopropylbenzene	

